



Ohio Labor Market Information

Labor Market Review

September 1990

Summary. Ohio's seasonally adjusted unemployment rate rose slightly from 5.0 percent in August to 5.2 percent in September 1990. The national rate advanced from 5.6 percent to 5.7 percent during the same period. Total employment in Ohio, at 5,166,000 in September, was 8,000 lower than in August. The number of unemployed Ohioans increased 12,000 from August to 284,000. Nonagricultural wage and salary employment (seasonally adjusted), at 4,938,000 in September, was virtually unchanged from August. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries was down 2,000 from August to 1,336,000 in September. Scattered decreases in durable-goods industries, especially transportation equipment, were responsible for the decline. Durable-goods employment, at 743,000, was down 4,000, while nondurable-goods employment rose 2,000 to 375,000. Both construction, at 200,000, and mining, at 18,000, were little changed from August.

Service-Producing Industries. There were 3,602,000 people employed in service-producing industries in September, up 1,000 from August. Employment increases occurred in services (+2,000) and in transportation and public utilities (+1,000). Wholesale trade, retail trade, and finance, insurance, and real estate had little or no change in employment. Employment in government declined 2,000 over the month.

Over the Year. Ohio's unemployment rate decreased from 5.3 percent in September 1989 to 5.2 percent in September 1990. The national rate rose from 5.3 percent to 5.7 percent over the year. Total employment in Ohio was up 13,000 from September 1989, while total unemployment was 4,000 lower. Since September 1989, nonfarm payroll employment increased 103,000. The largest gains were in services (+43,000), retail trade (+29,000), and government (+15,000). Wholesale trade and construction also had notable increases. Manufacturing employment dropped 5,000 over the year. The decline occurred in durable goods, as losses in industrial machinery and equipment, electronic and other electric equipment, and fabricated metal products were partially offset by gains in printing and publishing and in chemicals and allied products.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio had average weekly earnings of \$556.42 in September, up \$19.64 from August. Their average workweek of 43.2 hours was 0.8 hours longer. Nearly all industries had increased earnings due to more overtime. The most significant were motor vehicles and equipment, metal forgings and stampings, iron and steel foundries, general industrial machinery, and blast furnace and basic steel products.

Ohio Bureau of Employment Services

Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

Benefits and Costs. There were 47,849 initial claims filed under the Ohio Unemployment Compensation Law in September, down 11.1 percent from August but up 7.1 percent from September 1989. Total benefits paid dropped 28.3 percent to \$39.5 million. The average weekly benefit check of \$166.02 was \$4.06 lower than in August. The average weekly number of benefit recipients, at 61,382, declined 11.0 percent. At the end of September, there were 207,760 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 27,833 new job applicants in September, down 21.6 percent from August, and down 13.6 percent from September 1989. The Employment Services Division made 21,396 job referrals in September, down 14.8 percent from August. Total placements declined 23.4 percent over the month to 5,092.

Collection Method Alternatives **For the Report on Employment, Payroll, and Hours**

Service-sector employers of one hundred or more workers will soon be given the opportunity to report their monthly data by telephone at a convenient, prearranged time. Interviewers will telephone employers once each month to collect data, doing away with the familiar but less efficient mailed shuttle schedule.

If you are a large employer in services, information on this pilot project will be reaching your mailbox in the near future.

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Ohio

**Civilian Labor Force
and Nonagricultural Wage
and Salary Employment
Estimates for Ohio^a**

Seasonally Adjusted

Household Survey Data^d

Civilian Labor Force.....	5,450	5,446	5,441	4	9	.1	.2
Employment.....	5,166	5,174	5,153	-8	13	-.2	.3
Unemployment.....	284	272	288	12	-4	4.4	-1.4
Unemployment Rate	5.2	5.0	5.3				

Employer Survey Data^e

	Employment (in thousands)			Change ^b (in thousands)		Percent Change ^c	
	Sep. 1990	Aug. 1990	Sep. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Total	4,938	4,938	4,835	-1	103	.0	2.1
Goods-Producing Industries	1,336	1,338	1,334	-2	2	-.1	.2
Mining.....	18	18	18	0	0	-.5	-1.1
Coal Mining.....	7	7	8	0	0	-.9	-3.5
Oil and Gas Extraction	6	6	6	0	0	-.2	-.9
Construction.....	200	200	193	1	7	.3	3.6
General Building Contractors	47	47	46	0	1	.2	2.3
Heavy Construction, Except Building	23	23	23	0	0	.8	-1.4
Special Trade Contractors.....	130	130	124	0	6	.3	5.1
Manufacturing	1,118	1,120	1,122	-2	-5	-.2	-.4
Durable Goods	743	747	752	-4	-9	-.5	-1.2
Lumber and Wood Products	23	23	23	0	1	1.5	3.5
Furniture and Fixtures.....	15	15	15	0	0	-.1	-1.2
Stone, Clay, and Glass Products.....	45	45	45	0	0	-.4	-.3
Primary Metal Industries	102	101	103	1	-1	1.0	-.6
Fabricated Metal Products.....	135	136	136	-1	-2	-.9	-1.1
Industrial Machinery and Equipment	165	166	168	-1	-3	-.5	-1.6
Electronic and Other Electric Equipment	76	77	80	-1	-3	-1.0	-4.2
Transportation Equipment.....	141	142	140	-2	0	-1.3	.2
Instruments and Related Products	25	26	27	0	-1	-1.1	-4.7
Nondurable Goods	375	373	371	2	4	.5	1.2
Food and Kindred Products	64	62	63	1	1	2.4	.9
Apparel and Other Textile Products.....	15	15	15	0	0	-.5	-1.0
Paper and Allied Products	38	38	37	0	0	.0	.8
Printing and Publishing	76	76	75	0	2	.1	2.4
Chemicals and Allied Products	67	67	65	0	2	.4	2.6
Rubber and Misc. Plastics Products	97	97	97	0	0	.0	.0
Service-Producing Industries	3,602	3,601	3,501	1	101	.0	2.9
Transportation and Public Utilities.....	219	218	216	1	3	.6	1.5
Transportation	130	129	126	1	5	.7	3.6
Communications, Electric, Gas Services ..	89	89	91	0	-1	.3	-1.5

See footnotes on page 4.

Ohio (continued)

**Civilian Labor Force
and Nonagricultural Wage
and Salary Employment
Estimates for Ohio^a**

Seasonally Adjusted

	Employment (in thousands)			Change ^b (in thousands)		Percent Change ^c	
	Sep. 1990	Aug. 1990	Sep. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	274	274	266	0	8	-.1	2.9
Wholesale Trade-Durable Goods	173	173	168	0	5	-.1	2.7
Wholesale Trade-Nondurable Goods	101	101	97	0	3	-.1	3.2
Retail Trade	938	939	909	0	29	-.1	3.2
Building Materials and Garden Supplies	36	36	35	0	1	-.1	4.0
General Merchandise Stores	128	128	126	0	2	-.3	1.5
Food Stores	143	144	141	-1	2	-.7	1.7
Automotive Dealers and Service Stations ..	103	103	100	0	3	.0	3.0
Apparel and Accessory Stores	53	53	49	0	4	.6	8.4
Furniture and Homefurnishings Stores	34	34	32	0	2	.2	6.2
Eating and Drinking Places	316	316	310	0	6	.1	1.9
Miscellaneous Retail	124	124	116	0	8	.3	7.0
Finance, Insurance, and Real Estate	257	257	254	0	4	-.1	1.4
Finance	121	121	120	0	1	-.2	.6
Depository Institutions	91	91	91	0	0	-.2	-.1
Insurance	93	93	91	0	1	-.2	1.4
Real Estate	44	44	42	0	2	.4	3.9
Services	1,191	1,189	1,148	2	43	.2	3.7
Hotels and Other Lodging Places	39	39	38	0	1	.3	2.0
Personal Services	55	55	54	0	1	.2	2.3
Business Services	220	218	206	2	14	.8	6.7
Amusements, Including Motion Pictures	56	56	57	0	0	.4	-.8
Health Services	399	399	387	1	13	.2	3.3
Legal Services	30	30	29	0	2	.2	6.0
Educational Services	61	62	60	-1	1	-1.9	.9
Social Services	77	76	73	0	3	.6	4.6
Membership Organizations	81	82	79	-1	2	-.7	2.3
Engineering and Management Services	89	88	85	0	4	.5	4.2
Government	722	724	708	-2	15	-.2	2.1
Federal Government	95	95	97	0	-2	-.3	-2.0
State Government	164	165	159	-1	5	-.7	3.4
State Government Education	86	87	83	-1	3	-1.7	3.7
Local Government	463	463	452	0	11	.0	2.5
Local Government Education	270	270	265	0	5	-.1	1.9

^aData for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

^bChanges are computed from unrounded numbers. ^cPercentages are computed from unrounded numbers. ^dFrom the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. ^eFrom the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (In Thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
5,283	4,966	317	6.0	5.4
5,333	5,038	295	5.5	5.3
5,362	5,063	299	5.6	5.3
5,350	5,060	290	5.4	5.3
5,399	5,078	321	5.9	5.4
5,386	5,109	277	5.1	5.2
5,403	5,116	287	5.3	5.0
5,374	5,090	284	5.3	5.3
5,409	5,116	293	5.4	5.2
5,445	5,142	303	5.6	5.3
5,420	5,124	296	5.5	5.3
5,427	5,162	265	4.9	5.3
5,441	5,153	288	5.3	5.3
5,462	5,135	327	6.0	5.3
5,415	5,081	334	6.2	5.3
5,442	5,110	332	6.1	5.3
5,426	5,060	366	6.7	5.3
5,372	5,061	311	5.8	5.3
5,402	5,107	295	5.5	5.2
5,417	5,098	319	5.9	5.4
5,428	5,107	321	5.9	5.3
5,419	5,135	284	5.2	5.2
5,411	5,104	307	5.7	5.5
5,446	5,174	272	5.0	5.6
5,450	5,166	284	5.2	5.7

Ohio Nonagricultural Wage and Salary Employment (In Thousands)

Nonagricultural Employment				
	Goods-Producing Employment			
	Total	Mining	Construction	Manufacturing
1988				
September	4,727	1,320	19	186
October	4,732	1,322	18	184
November	4,745	1,325	18	186
December	4,761	1,329	18	188
1989				
January	4,775	1,338	18	191
February	4,796	1,340	18	194
March	4,817	1,342	18	194
April	4,791	1,336	18	193
May	4,795	1,332	18	190
June	4,809	1,335	18	192
July	4,809	1,325	15	192
August	4,828	1,335	18	193
September	4,835	1,334	18	193
October	4,834	1,324	18	194
November	4,850	1,332	18	196
December	4,862	1,334	18	197
1990				
January	4,848	1,312	18	198
February	4,892	1,341	18	199
March	4,905	1,340	18	200
April	4,904	1,340	18	199
May	4,917	1,337	18	198
June	4,928	1,341	18	199
July	4,928	1,334	18	198
August	4,938	1,338	18	200
September	4,938	1,336	18	200

Service-Producing Employment (In Thousands)

Total	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
1988						
September	213	258	881	249	1,109	696
October	212	259	879	249	1,112	698
November	213	260	881	249	1,116	700
December	214	260	886	250	1,123	700
1989						
January	215	261	889	250	1,124	699
February	215	261	897	251	1,130	701
March	215	262	905	252	1,137	703
April	215	261	896	251	1,131	702
May	215	262	896	251	1,133	704
June	215	263	900	252	1,138	704
July	215	264	904	253	1,141	707
August	216	265	906	253	1,145	708
September	216	266	909	254	1,148	708
October	217	267	913	254	1,148	711
November	217	267	916	255	1,152	710
December	218	268	919	255	1,156	711
1990						
January	219	269	926	256	1,154	711
February	219	269	931	257	1,159	717
March	220	270	934	257	1,166	718
April	218	270	932	257	1,168	719
May	218	271	933	257	1,172	728
June	219	272	937	257	1,177	725
July	218	273	937	257	1,182	726
August	218	274	939	257	1,189	724
September	219	274	938	257	1,191	722

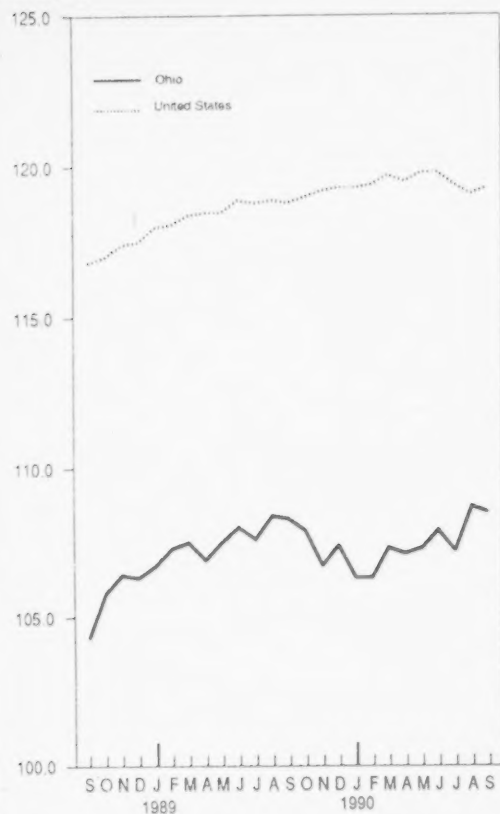
^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Indexes of Total Employment

Ohio and U.S.

(Seasonally Adjusted)

Index (1979=100)

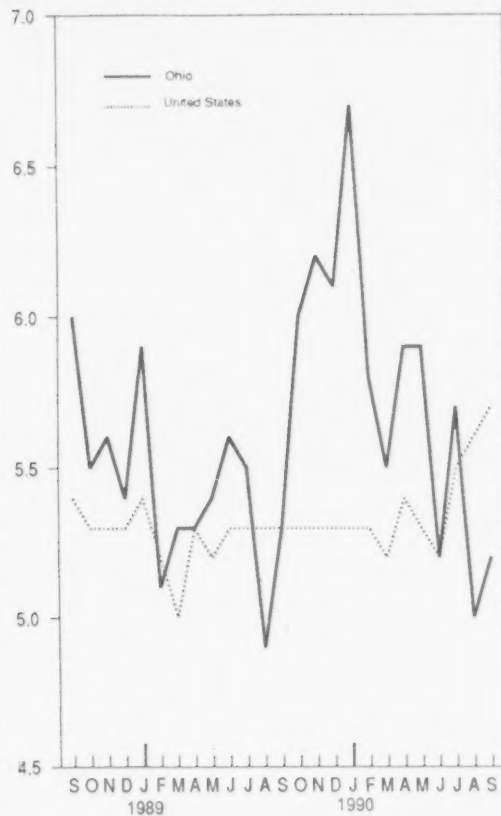


Unemployment Rates

Ohio and U.S.

(Seasonally Adjusted)

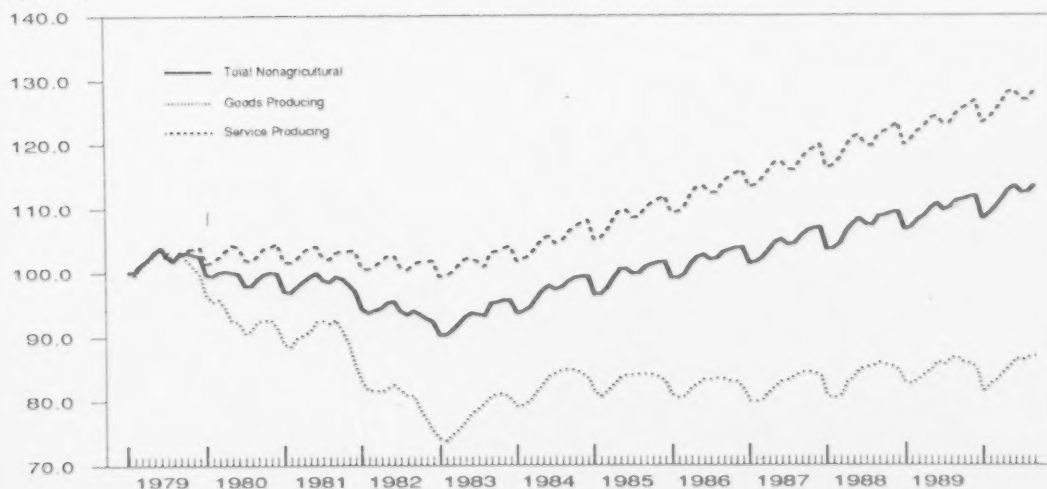
Percent



Index of Nonagricultural Wage and Salary Employment

(Not Seasonally Adjusted)

Index (1979 = 100)



Nonseasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
5,059	4,760	299	5.9	5.8
5,089	4,663	426	8.4	7.1
5,100	4,608	492	9.6	7.6
5,114	4,474	640	12.5	9.7
5,099	4,478	621	12.2	9.6
5,089	4,609	480	9.4	7.5
5,135	4,680	455	8.9	7.2
5,232	4,806	425	8.1	7.0
5,253	4,886	367	7.0	6.2
5,322	5,002	320	6.0	5.5
5,419	5,118	300	5.5	5.3
1989				
5,425	5,158	267	4.9	5.1
5,477	5,169	308	5.6	5.0
5,434	5,113	321	5.9	5.2
5,421	5,094	328	6.0	5.1
1990				
5,391	4,979	412	7.6	5.9
5,344	4,998	346	6.5	5.8
5,353	5,035	318	5.9	5.4
5,373	5,071	302	5.6	5.2
5,409	5,104	305	5.6	5.1
5,481	5,179	302	5.5	5.3
5,472	5,194	278	5.1	5.5
5,504	5,245	258	4.7	5.4
5,436	5,177	259	4.8	5.5

Ohio Nonagricultural Wage and Salary Employment (in thousands)

Nonagricultural Employment				
Total	Goods-Producing Employment			
	Total	Mining	Construction	Manufacturing
4,484.8	1,596.8	31.6	182.9	1,382.3
4,367.4	1,462.5	30.7	167.4	1,264.3
4,317.7	1,417.0	30.7	153.7	1,232.6
4,124.3	1,264.8	30.3	134.6	1,099.9
4,092.5	1,223.4	26.6	130.8	1,066.0
4,260.2	1,299.7	27.8	144.8	1,127.0
4,372.9	1,304.3	26.1	154.0	1,124.2
4,471.4	1,293.1	22.6	160.7	1,109.8
4,582.6	1,296.2	20.9	176.4	1,098.9
4,700.6	1,315.1	18.9	185.6	1,110.6
4,817.2	1,333.9	17.8	193.1	1,123.0
1989				
4,877.8	1,361.7	18.5	211.8	1,131.4
4,885.7	1,347.1	18.6	212.3	1,116.3
4,900.8	1,346.8	18.3	205.5	1,123.0
4,909.6	1,335.6	18.1	195.8	1,121.7
1990				
4,752.1	1,275.5	17.6	170.6	1,087.3
4,790.2	1,297.3	17.3	166.2	1,113.8
4,834.5	1,307.0	17.5	174.7	1,114.8
4,889.3	1,324.4	17.7	188.3	1,118.4
4,949.2	1,338.0	18.0	199.6	1,120.5
4,977.7	1,357.5	18.4	209.5	1,129.7
4,934.0	1,353.1	18.5	216.6	1,118.1
4,938.2	1,361.9	18.4	219.9	1,123.6
4,981.2	1,364.6	18.3	219.3	1,126.9

Service-Producing Employment (in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,088.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
1989								
3,516.0	219.0	September	266.0	916.8	254.9	September	1,165.8	693.6
3,538.6	219.4	October	268.0	919.7	254.1	October	1,156.2	721.2
3,554.0	219.4	November	268.5	933.3	254.3	November	1,152.0	726.5
3,574.0	220.4	December	269.6	949.1	254.7	December	1,150.5	729.7
1990								
3,476.5	213.7	January	266.4	905.9	253.6	January	1,122.6	714.2
3,492.9	213.7	February	266.2	897.5	253.8	February	1,133.2	728.6
3,527.5	215.0	March	267.7	906.6	255.0	March	1,147.7	735.5
3,564.8	216.5	April	269.5	922.0	255.5	April	1,167.6	733.7
3,611.1	218.6	May	271.5	936.7	256.8	May	1,180.4	747.2
3,620.2	220.7	June	274.0	945.9	259.3	June	1,196.9	723.4
3,580.9	220.9	July	275.0	943.7	260.4	July	1,199.6	681.2
3,576.4	221.1	August	274.6	948.3	260.4	August	1,202.5	669.5
3,616.6	222.2	September	273.7	945.9	258.5	September	1,208.8	707.5

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings^a

Not Seasonally Adjusted

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)
1,382.3	978.1	404.2
1,264.3	880.3	384.1
1,232.6	858.2	374.4
1,099.9	750.5	349.4
1,066.0	721.9	344.1
1,127.0	771.7	355.4
1,124.2	767.0	357.3
1,109.8	751.0	358.8
1,098.9	738.9	360.0
1,110.6	747.3	363.4
1,123.0	753.2	369.8
1,131.4	755.5	375.9
1,116.3	742.1	374.2
1,123.0	749.5	373.5
1,121.7	750.0	371.7
1,087.3	719.3	368.0
1,113.8	745.8	368.0
1,114.8	746.1	368.7
1,118.4	748.5	369.9
1,120.5	749.3	371.2
1,129.7	754.2	375.5
1,118.1	743.4	374.6
1,123.6	746.6	377.0
1,126.9	746.6	380.3

Production Workers in Manufacturing

Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
979.0	\$318.5	40.6
867.8	301.9	35.2
847.7	330.4	34.7
735.7	297.1	29.5
721.6	315.5	29.9
781.5	362.3	33.1
773.4	369.7	32.5
758.5	369.1	31.9
751.4	375.5	32.0
762.3	393.0	32.8
770.6	403.4	32.9
776.2	408.6	33.1
765.6	398.9	32.5
770.4	405.9	32.9
769.6	405.9	32.8
735.8	376.7	30.9
761.0	394.7	31.9
761.9	403.1	32.2
765.2	395.7	31.8
766.2	415.5	32.8
772.7	423.3	33.2
759.6	404.2	32.1
765.3	410.8	32.4
769.0	427.9	33.2

Production Worker Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods
\$325.36	\$335.30	\$297.78
347.94	358.57	319.99
389.78	401.64	358.16
403.81	414.80	378.95
437.18	452.35	402.52
463.61	482.38	417.83
477.96	499.56	425.80
486.68	507.95	439.71
499.70	519.52	455.03
515.57	538.16	466.31
523.50	542.23	478.19
526.49	545.67	484.15
521.10	539.30	482.69
526.92	545.24	484.68
527.39	546.12	485.62
511.98	524.15	485.72
518.72	536.36	478.67
529.17	548.26	483.89
517.09	534.18	478.06
542.28	564.19	493.08
547.82	571.14	497.12
532.14	550.35	491.99
536.78	555.93	493.92
556.42	580.29	504.81

Production Worker Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods
41.5	41.6	41.1
40.6	40.7	40.2
40.9	40.9	40.7
40.1	40.0	40.4
41.4	41.5	41.2
42.3	42.5	41.7
42.0	42.3	41.3
42.1	42.4	41.6
42.6	42.9	41.9
43.0	43.4	42.2
42.7	43.0	41.8
42.7	43.0	42.1
42.4	42.7	41.9
42.7	43.0	42.0
42.6	42.9	41.9
42.0	42.1	41.8
41.9	42.2	41.3
42.3	42.6	41.5
41.5	41.7	41.0
42.8	43.2	42.0
43.0	43.4	42.2
42.2	42.4	41.8
42.4	42.6	42.0
43.2	43.5	42.6

Production Worker Average Hourly Earnings

Manufacturing	Durable Goods	Nondurable Goods
\$7.84	\$8.06	\$7.25
8.57	8.81	7.96
9.53	9.82	8.80
10.07	10.37	9.38
10.56	10.90	9.77
10.96	11.35	10.02
11.38	11.81	10.31
11.56	11.98	10.57
11.73	12.11	10.86
11.99	12.40	11.05
12.26	12.61	11.44
12.33	12.69	11.50
12.29	12.63	11.52
12.34	12.68	11.54
12.38	12.73	11.59
12.19	12.45	11.62
12.38	12.71	11.59
12.51	12.87	11.66
12.46	12.81	11.66
12.67	13.06	11.74
12.74	13.16	11.78
12.61	12.98	11.77
12.66	13.05	11.76
12.88	13.34	11.85

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries^a

Not Seasonally Adjusted

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products
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Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment
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Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
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Employment (thousands)

67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
46.3	102.8	137.1	September	167.9	80.2	139.8	September	66.7	74.6	97.4
45.9	100.3	135.3	October	163.6	79.4	136.4	October	64.9	74.8	97.6
45.9	100.8	136.2	November	167.1	79.6	139.0	November	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.6	December	63.4	75.0	96.7
			1990				1990			
44.2	98.8	130.5	January	167.6	78.4	120.6	January	63.3	74.6	94.7
44.3	100.7	134.2	February	167.2	78.5	142.1	February	62.5	74.8	94.9
45.0	100.9	134.1	March	167.0	78.3	141.6	March	62.2	74.7	95.5
45.6	100.8	134.9	April	166.6	78.3	142.4	April	62.5	74.8	96.2
45.7	101.2	135.3	May	167.0	77.8	142.1	May	62.6	75.4	96.7
46.6	101.7	136.8	June	167.3	77.7	143.3	June	63.7	75.9	97.7
46.3	99.4	135.4	July	166.9	77.4	137.3	July	63.8	76.3	95.8
46.4	100.6	135.2	August	165.6	77.0	141.5	August	64.7	76.5	96.9
46.1	102.2	135.6	September	165.2	76.9	140.2	September	67.3	76.5	97.4

Average Weekly Earnings of Production Workers

\$293.34	\$395.43	\$323.38	1979	\$329.09	\$289.27	\$391.56	1979	\$304.50	\$302.62	\$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
476.43	628.97	523.13	September	528.04	458.97	720.50	September	458.05	468.00	451.78
490.05	610.42	507.78	October	528.90	460.37	711.67	October	457.03	467.63	440.15
488.91	616.07	512.68	November	534.69	462.31	720.72	November	467.58	478.67	440.35
471.10	618.02	502.80	December	538.46	462.44	717.05	December	473.18	482.26	433.54
			1990				1990			
473.59	605.12	489.82	January	520.15	459.26	670.64	January	476.57	470.00	442.21
476.86	601.51	505.44	February	532.16	464.80	683.12	February	454.40	471.22	442.90
484.79	618.62	512.36	March	535.62	457.97	718.39	March	458.27	472.42	446.13
494.79	636.41	493.61	April	509.60	437.80	691.32	April	445.61	458.25	434.42
495.79	657.34	531.48	May	547.67	456.65	742.29	May	469.83	465.71	460.82
498.10	672.04	533.68	June	548.97	458.59	758.62	June	476.40	467.68	467.99
493.06	644.36	506.75	July	539.71	456.84	722.67	July	475.57	469.66	458.55
495.20	649.82	524.97	August	546.08	465.12	706.55	August	485.78	472.03	452.19
504.14	681.39	550.78	September	566.72	477.34	754.97	September	494.76	492.86	460.48

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment^a

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change ^d (in thousands)	
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	From Last Month	From Last Year
Total	4981.2	4938.2	4877.8	43.0	103.4
Goods-Producing Industries	1364.6	1361.9	1361.7	2.7	2.9
Mining.....	18.3	18.4	18.5	.0	-.2
Coal Mining.....	7.5	7.5	7.8	.0	-.3
Oil and Gas Extraction.....	5.7	5.7	5.7	.0	.0
Construction.....	219.3	219.9	211.8	-.6	7.5
General Building Contractors.....	50.4	50.8	49.3	-.5	1.1
Nonresidential Building Construction.....	24.9	24.9	25.0	-.1	-.1
Heavy Construction, Except Building.....	27.6	27.4	28.1	-.3	-.4
Highway and Street Construction.....	10.0	10.0	10.6	.0	-.6
Special Trade Contractors.....	141.3	141.7	134.5	-.4	6.8
Manufacturing.....	1126.9	1123.6	1131.4	3.4	-4.4
Durable Goods ^f	746.6	746.6	755.5	.0	-8.8
Lumber and Wood Products.....	23.8	23.6	23.0	.2	.8
Millwork, Plywood and Structural Members.....	10.5	10.6	10.5	-.1	.0
Furniture and Fixtures.....	15.4	15.3	15.5	.0	-.2
Stone, Clay, and Glass Products.....	46.1	46.4	46.3	-.3	-.2
Primary Metal Industries.....	102.2	100.6	102.8	1.6	-.6
Blast Furnace and Basic Steel Products.....	47.1	46.9	47.1	.2	.1
Iron and Steel Foundries.....	20.3	19.6	20.5	.7	-.2
Nonferrous Rolling and Drawing.....	16.7	16.2	17.2	.5	-.5
Nonferrous Foundries.....	10.8	10.7	10.8	.0	-.1
Fabricated Metal Products.....	135.6	135.2	137.1	.4	-1.5
Fabricated Structural Metal Products.....	30.6	30.6	31.0	.1	-.3
Metal Forgings and Stampings.....	39.0	38.6	39.4	.4	-.4
Industrial Machinery and Equipment.....	165.2	165.6	167.9	-.3	-2.6
Construction and Related Machinery.....	14.1	14.3	14.1	-.2	.0
Metalworking Machinery.....	47.1	47.3	48.0	-.2	-.9
Special Industry Machinery.....	16.9	16.9	17.4	.0	-.4
General Industrial Machinery.....	26.1	26.1	26.3	.0	-.2
Computer and Office Equipment.....	11.1	11.3	11.4	-.2	-.3
Refrigeration and Service Machinery.....	14.9	14.9	16.2	.0	-1.3
Electronic and Other Electric Equipment.....	76.9	77.0	80.2	-.2	-3.4
Electrical Industrial Apparatus.....	12.1	11.9	12.7	.2	-.6
Household Appliances.....	15.1	15.4	15.7	-.4	-.7
Electric Lighting and Wiring Equipment.....	16.4	16.2	16.6	.2	-.2
Electronic Components and Accessories.....	11.3	11.3	11.6	-.1	-.3
Transportation Equipment.....	140.2	141.5	139.8	-1.2	.4
Motor Vehicles and Equipment.....	94.6	95.7	94.5	-1.1	.2
Aircraft and Parts.....	36.7	36.8	36.5	-.1	.2
Instruments and Related Products.....	25.6	25.8	26.9	-.2	-1.3
Measuring and Controlling Devices.....	15.6	15.8	16.5	-.3	-1.0
Nondurable Goods ^g	380.3	377.0	375.9	3.4	4.4
Food and Kindred Products.....	67.3	64.7	66.7	2.6	.6
Dairy Products.....	10.8	10.8	10.2	.0	.6
Preserved Fruits and Vegetables.....	13.4	11.0	13.8	2.4	-.3
Bakery Products.....	9.6	9.7	10.0	-.1	-.3
Apparel and Other Textile Products.....	15.3	15.2	15.5	.2	-.2
Paper and Allied Products.....	38.0	37.9	37.7	.1	.3
Paperboard Containers and Boxes.....	14.1	14.0	13.7	.1	.4
Miscellaneous Converted Paper Products.....	12.2	12.2	12.1	.0	.1
Printing and Publishing.....	76.5	76.5	74.6	.1	1.9
Newspapers.....	19.5	19.4	18.8	.1	.7
Commercial Printing.....	28.0	28.0	27.6	.0	.5
Chemicals and Allied Products.....	67.3	67.4	65.6	-.1	1.7
Plastics Materials and Synthetics.....	9.8	10.0	9.8	-.2	.0
Rubber and Miscellaneous Plastics Products.....	97.4	96.9	97.4	.6	.0
Tires and Inner Tubes.....	16.0	16.0	15.6	.0	.4
Miscellaneous Plastics Products.....	59.3	58.7	58.8	.6	.5
Service-Producing Industries	3616.6	3576.4	3516.0	40.3	100.6
Transportation and Public Utilities.....	222.2	221.1	219.0	1.2	3.3
Transportation.....	132.5	131.2	127.9	1.4	4.6
Railroad Transportation.....	12.2	12.3	12.9	-.1	-.7
Trucking and Warehousing.....	79.3	78.6	76.8	.7	2.6
Transportation by Air.....	14.6	14.4	13.4	.3	1.3
Communications, Electric, Gas Services.....	89.7	89.9	91.1	-.2	-1.3
Communications.....	46.5	46.4	47.5	.1	-1.0
Electric, Gas, and Sanitary Services.....	43.2	43.6	43.6	-.3	-.3

See footnotes on page 13.

Ohio (continued)

**Nonagricultural
Wage and Salary
Employment^a**

Not Seasonally Adjusted

	Employment (in thousands)			Change ^d (in thousands)	
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^e	From Last Month	From Last Year
Wholesale Trade.....	273.7	274.6	266.0	-.9	7.7
Wholesale Trade-Durable Goods.....	173.2	173.7	168.6	-.5	4.6
Motor Vehicles, Parts, and Supplies.....	23.0	23.1	22.8	-.1	.1
Professional and Commercial Equipment.....	33.2	33.3	32.4	-.1	.8
Metals and Minerals, Except Petroleum.....	11.6	11.6	11.2	.1	.4
Electrical Goods.....	18.9	18.9	18.5	.0	.4
Hardware, Plumbing and Heating Equipment.....	13.0	13.1	12.6	-.1	.4
Machinery, Equipment, and Supplies.....	43.3	43.5	42.0	-.2	1.3
Wholesale Trade-Nondurable Goods.....	100.5	100.9	97.4	-.4	3.1
Groceries and Related Products.....	33.3	33.5	32.0	-.2	1.3
Retail Trade.....	945.9	948.3	916.8	-2.4	29.1
Building Materials and Garden Supplies.....	36.8	37.3	35.4	-.5	1.4
Lumber and Other Building Materials.....	18.8	19.0	18.2	-.3	.5
General Merchandise Stores.....	126.5	125.7	124.7	.8	1.8
Department Stores.....	103.2	102.5	101.1	.7	2.1
Variety Stores.....	13.9	13.8	13.7	.1	.2
Food Stores.....	143.9	144.7	141.4	-.8	2.5
Grocery Stores.....	126.9	127.6	124.9	-.7	2.0
Automotive Dealers and Service Stations.....	103.7	104.3	100.7	-.6	3.0
New and Used Car Dealers.....	45.5	45.6	44.4	-.1	1.1
Gasoline Service Stations.....	36.5	36.6	34.6	-.2	1.9
Apparel and Accessory Stores.....	53.2	52.9	49.0	.3	4.2
Furniture and Homefurnishings Stores.....	33.8	33.6	31.8	.2	2.0
Eating and Drinking Places.....	324.4	327.0	318.3	-2.6	6.1
Miscellaneous Retail.....	123.6	122.8	115.5	.8	8.1
Drug Stores and Proprietary Stores.....	32.6	32.5	31.0	.2	1.6
Nonstore Retailers.....	23.6	23.5	21.9	.1	1.8
Finance, Insurance, and Real Estate.....	258.5	260.4	254.9	-1.9	3.6
Finance.....	121.2	122.0	120.5	-.9	.7
Depository Institutions.....	91.1	91.8	91.2	-.8	-.1
Commercial Banks.....	64.5	65.1	64.0	-.6	.6
Insurance.....	92.6	92.9	91.3	-.3	1.3
Insurance Carriers.....	70.4	70.8	70.0	-.3	.4
Life Insurance.....	25.8	25.9	25.8	-.1	.0
Fire, Marine, and Casualty Insurance.....	31.9	32.3	31.0	-.3	.9
Real Estate.....	44.8	45.5	43.1	-.7	1.7
Services.....	1208.8	1202.5	1165.8	6.2	43.0
Hotels and Other Lodging Places.....	40.3	41.4	39.5	-1.1	.8
Personal Services.....	54.5	54.0	53.3	.5	1.2
Business Services.....	223.8	222.3	209.8	1.5	14.0
Services to Buildings.....	33.9	34.1	33.0	-.2	.9
Personnel Supply Services.....	79.8	78.5	74.1	1.3	5.7
Computer and Data Processing Services.....	28.2	28.3	26.0	.0	2.2
Amusements, Including Motion Pictures.....	67.1	70.9	67.6	-3.8	-.5
Health Services.....	401.5	401.1	388.7	.4	12.8
Nursing and Personal Care Facilities.....	87.4	87.1	84.3	.3	3.1
Hospitals.....	193.2	193.4	188.7	-.2	4.6
Legal Services.....	30.4	30.8	28.6	-.4	1.7
Educational Services.....	59.2	48.5	58.6	10.6	.6
Colleges and Universities.....	32.1	24.4	32.0	7.8	.2
Social Services.....	76.7	75.3	73.4	1.5	3.4
Residential Care.....	23.7	23.7	22.3	-.1	1.4
Membership Organizations.....	80.7	82.3	78.8	-1.6	1.8
Engineering and Management Services.....	89.1	89.4	85.6	-.3	3.5
Engineering and Architectural Services.....	27.4	27.5	26.4	-.1	1.0
Accounting, Auditing, and Bookkeeping.....	21.6	21.6	20.8	.1	.8
Research and Testing Services.....	19.3	19.8	18.9	-.4	.4
Management and Public Relations.....	20.7	20.5	19.4	.2	1.3
Government.....	707.5	669.5	693.6	38.0	13.9
Federal Government.....	94.9	95.9	96.9	-.9	-2.0
U.S. Postal Service.....	33.3	33.8	34.1	-.5	-.8
State Government.....	154.2	144.1	149.4	10.1	4.8
State Government Hospitals.....	15.9	15.9	15.9	.0	.0
State Government Education ^f	75.6	64.3	73.1	11.3	2.5
Local Government.....	458.4	429.6	447.4	28.8	11.1
Local Government Hospitals.....	15.1	15.1	14.8	.0	.3
Local Government Education.....	264.9	229.3	260.1	35.6	4.8

See footnotes on page 13.

Ohio

Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c
Goods-Producing Industries	\$573.95	\$556.14	\$510.30	42.8	42.1	40.5	\$13.41	\$13.21	\$12.60
Mining	622.56	624.06	612.90	44.5	44.8	45.4	13.99	13.93	13.50
Coal Mining	718.20	727.18	755.43	42.0	42.7	45.1	17.10	17.03	16.75
Construction	653.21	639.94	608.70	40.8	40.4	39.5	16.01	15.84	15.41
General Building Contractors	577.46	550.00	548.05	41.1	40.0	39.8	14.05	13.75	13.77
Heavy Construction, Except Building	751.52	716.53	640.31	44.0	43.4	40.5	17.08	16.51	15.81
Special Trade Contractors	654.00	650.77	621.69	40.0	39.9	39.1	16.35	16.31	15.90
Manufacturing	556.42	536.78	526.49	43.2	42.4	42.7	12.88	12.66	12.33
Durable Goods ^d	580.29	555.93	545.67	43.5	42.6	43.0	13.34	13.05	12.69
Lumber and Wood Product	313.05	318.27	334.95	38.6	39.1	40.6	8.11	8.14	8.25
Millwork, Plywood and Structural Members	366.96	369.56	378.01	41.7	41.9	43.7	8.80	8.82	8.65
Furniture and Fixtures	409.60	411.08	378.84	42.8	43.0	41.0	9.57	9.56	9.24
Stone, Clay, and Glass Products	504.14	495.20	476.43	43.2	42.8	42.5	11.67	11.57	11.21
Primary Metal Industries	681.39	649.82	628.97	45.7	44.6	44.2	14.91	14.57	14.23
Blast Furnace and Basic Steel Products	696.00	673.90	625.35	46.9	46.0	43.7	14.84	14.65	14.31
Iron and Steel Foundries	748.90	676.06	664.50	46.4	43.9	44.3	16.14	15.40	15.00
Nonferrous Rolling and Drawing	719.34	679.39	699.49	43.1	41.2	43.8	16.69	16.49	15.97
Nonferrous Foundries	463.10	474.90	473.37	43.2	44.3	44.7	10.72	10.72	10.59
Fabricated Metal Products	550.78	524.97	523.13	43.3	42.2	42.6	12.72	12.44	12.28
Fabricated Structural Metal Products	503.26	488.05	456.12	43.8	43.0	42.0	11.49	11.35	10.86
Metal Forgings and Stampings	703.13	655.12	671.59	44.7	43.1	44.3	15.73	15.20	15.16
Industrial Machinery and Equipment	566.72	546.08	528.04	44.0	43.1	43.0	12.88	12.67	12.28
Construction and Related Machinery	460.96	445.22	442.95	40.4	39.4	40.6	11.41	11.30	10.91
Metalworking Machinery	539.13	526.48	520.78	44.3	43.8	43.8	12.17	12.02	11.89
Special Industry Machinery	531.47	520.90	517.87	44.4	43.7	44.3	11.97	11.92	11.69
General Industrial Machinery	682.86	623.89	578.78	46.9	44.5	43.0	14.56	14.02	13.46
Computer and Office Equipment	462.07	479.76	476.15	41.0	41.9	42.4	11.27	11.45	11.23
Refrigeration and Service Machinery	657.08	592.04	558.81	43.4	41.0	40.7	15.14	14.44	13.73
Electronic and Other Electric Equipment	477.34	465.12	458.97	41.4	40.8	41.2	11.53	11.40	11.14
Electrical Industrial Apparatus	470.85	450.78	439.45	43.0	41.7	42.5	10.95	10.81	10.34
Household Appliances	495.26	486.40	475.56	40.2	40.0	39.4	12.32	12.16	12.07
Electric Lighting and Wiring Equipment	503.38	499.75	462.80	40.4	40.4	40.0	12.46	12.37	11.57
Electronic Components and Accessories	354.06	330.48	337.02	41.9	40.5	41.1	8.45	8.16	8.20
Transportation Equipment	754.97	706.55	720.50	45.1	43.4	45.4	16.74	16.28	15.87
Motor Vehicles and Equipment	787.15	726.52	748.63	45.5	43.4	45.9	17.30	16.74	16.31
Aircraft and Parts	677.10	669.48	661.27	44.4	43.9	44.5	15.25	15.25	14.86
Instruments and Related Products	399.80	396.00	386.24	40.1	40.0	40.7	9.97	9.90	9.49
Measuring and Controlling Devices	391.17	377.26	380.84	39.0	38.3	40.3	10.03	9.85	9.45
Nondurable Goods ^d	504.81	493.92	484.15	42.6	42.0	42.1	11.85	11.76	11.50
Food and Kindred Products	494.76	485.78	458.05	43.4	42.5	42.1	11.40	11.43	10.88
Dairy Products	501.51	485.90	488.51	43.8	43.0	43.5	11.45	11.30	11.23
Preserved Fruits and Vegetables	530.10	535.68	460.37	45.0	43.2	41.7	11.78	12.40	11.04
Bakery Products	506.28	497.73	474.28	40.6	40.4	39.1	12.47	12.32	12.13
Apparel and Other Textile Products	354.01	308.07	300.27	42.6	39.7	38.3	8.31	7.76	7.84
Paper and Allied Products	531.33	522.14	514.15	44.8	44.4	44.4	11.86	11.76	11.58
Paperboard Containers and Boxes	486.69	464.98	435.50	45.4	44.2	42.2	10.72	10.52	10.32
Miscellaneous Converted Paper Products	487.29	489.95	457.91	43.9	44.1	44.2	11.10	11.11	10.36
Printing and Publishing	492.86	472.03	468.00	40.8	39.8	40.0	12.08	11.86	11.70
Newspapers	376.96	377.42	390.44	33.3	33.4	34.4	11.32	11.30	11.35
Commercial Printing	514.61	475.86	473.89	43.1	41.2	41.9	11.94	11.55	11.31
Chemicals and Allied Products	613.74	612.58	588.31	43.1	43.2	42.6	14.24	14.18	13.81
Plastics Materials and Synthetics	691.06	675.12	683.27	43.6	43.5	44.6	15.85	15.52	15.32
Rubber and Miscellaneous Plastics Products	460.48	452.19	451.78	41.9	41.6	42.5	10.99	10.87	10.63
Tires and Inner Tubes	710.74	712.36	691.51	44.2	44.0	44.7	16.08	16.19	15.47
Miscellaneous Plastics Products	443.64	436.13	435.93	41.5	41.3	42.2	10.69	10.56	10.33
Service-Producing Industries									
Transportation and Public Utilities									
Communications, Electric, Gas Services	638.91	620.26	612.16	42.2	41.6	41.9	15.14	14.91	14.61
Communications	584.35	572.57	590.36	40.3	39.9	41.4	14.50	14.35	14.26
Electric, Gas, and Sanitary Services	703.99	674.25	636.00	44.5	43.5	42.4	15.82	15.50	15.00
Wholesale Trade	419.15	419.15	408.72	39.1	39.1	39.3	10.72	10.72	10.40
Wholesale Trade-Durable Goods	415.52	416.58	398.11	39.2	39.3	39.3	10.60	10.60	10.13
Motor Vehicles, Parts, and Supplies	345.58	345.77	336.14	37.0	37.3	37.6	9.34	9.27	8.94
Metals and Minerals, Except Petroleum	476.30	474.03	467.57	42.3	42.4	42.7	11.26	11.18	10.95
Wholesale Trade-Nondurable Goods	427.75	424.08	427.19	39.1	38.8	39.3	10.94	10.93	10.87

See footnotes on page 13.

Ohio (continued)

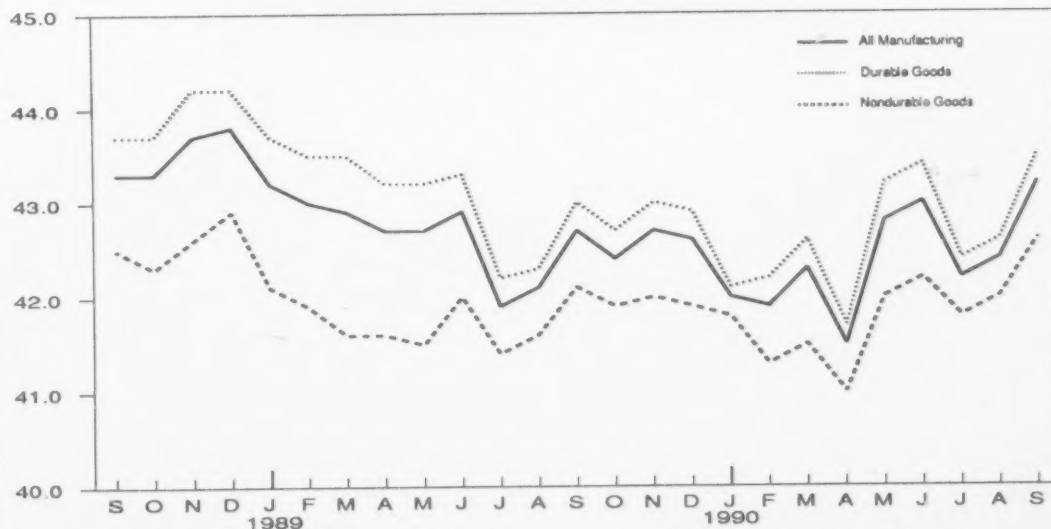
Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

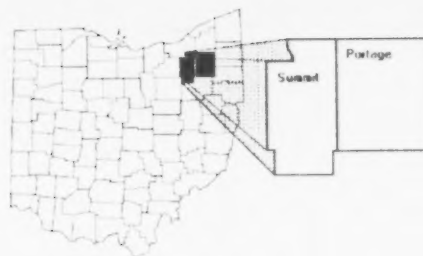
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c
Retail Trade ⁱ	\$180.32	\$180.20	\$175.51	28.0	28.2	28.4	\$6.44	\$6.39	\$6.18
General Merchandise Stores.....	194.94	194.87	186.34	28.5	28.7	28.8	6.84	6.79	6.47
Department Stores.....	198.08	198.72	190.90	28.5	28.8	29.1	6.95	6.90	6.56
Finance, Insurance, and Real Estate.....	351.42	350.07	340.91	.....	.....	.....	.....	.....	.....
Finance.....	324.03	323.64	317.84	.....	.....	.....	.....	.....	.....
Depository Institutions.....	276.19	275.87	271.00	.....	.....	.....	.....	.....	.....
Commercial Banks.....	270.46	270.67	268.76	.....	.....	.....	.....	.....	.....
Insurance.....	419.05	417.21	408.39	.....	.....	.....	.....	.....	.....
Insurance Carriers.....	408.65	404.00	393.70	.....	.....	.....	.....	.....	.....
Life Insurance.....	379.46	374.96	368.04	.....	.....	.....	.....	.....	.....
Fire, Marine, and Casualty Insurance.....	440.40	437.14	418.38	.....	.....	.....	.....	.....	.....
Services.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Business Services.....	244.27	246.42	215.20	32.7	32.9	31.6	7.47	7.49	6.81
Health Services.....	319.64	317.05	303.69	31.9	31.8	31.9	10.02	9.97	9.52
Nursing and Personal Care Facilities.....	213.38	213.41	199.71	31.8	31.9	31.6	6.71	6.69	6.32
Hospitals.....	377.03	372.94	361.78	32.7	32.6	32.8	11.53	11.44	11.03
Engineering and Management Services.....	478.41	482.20	459.20	35.1	35.3	34.5	13.63	13.66	13.31
Engineering and Architectural Services.....	659.57	662.83	625.12	32.3	32.7	31.7	20.42	20.27	19.72
Research and Testing Services.....	383.72	402.84	362.62	36.2	37.3	34.7	10.60	10.80	10.45

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ⁱIncludes miscellaneous manufacturing industries. ^jIncludes tobacco products; textile mill products; petroleum and coal products; leather and leather products. ^kIncludes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^lMoney payments only; tips not included. ^mDepressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries



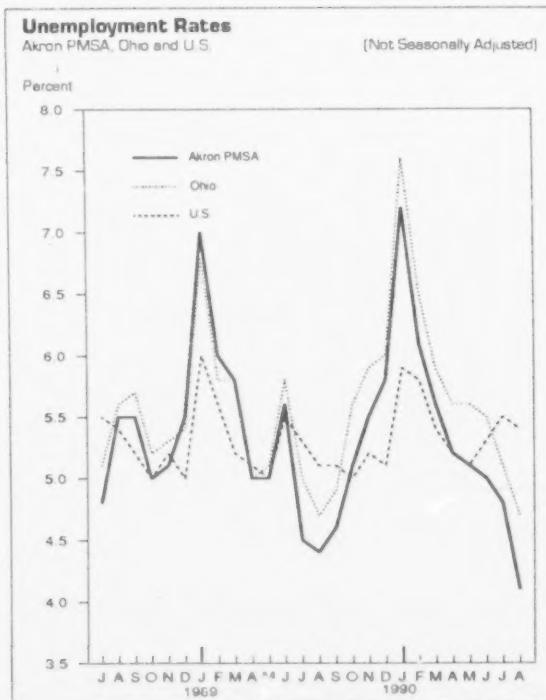
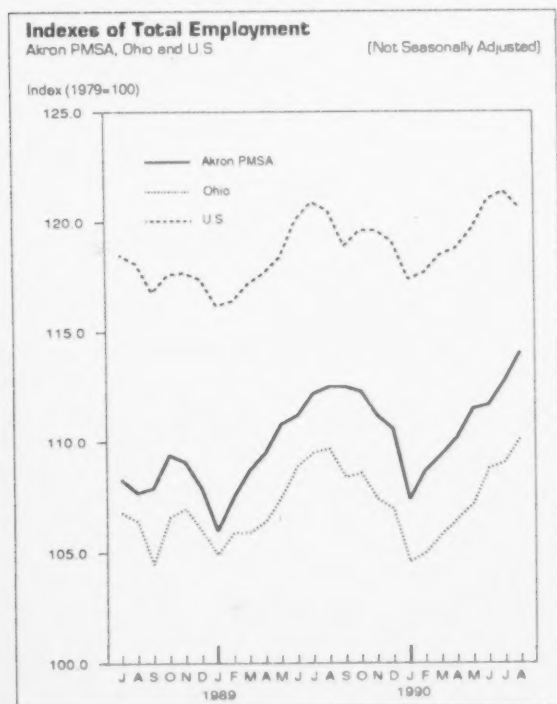
Akron Primary Metropolitan Statistical Area



Nonagricultural payroll employment in the Akron metropolitan area totaled 297,400 in September 1990, up 6,300 from the August level. The return of nonteaching personnel in state and local schools and colleges raised employment in service-producing industries 5,700. Modest improvements in durable-goods manufacturing, especially fabricated metal products and industrial machinery and equipment, increased employment in goods-producing industries 600 over the month to 80,600. Factory production workers averaged \$12.18 per hour, little changed from August. Their average workweek of 43.7 hours was 0.2 hours longer.

Nonfarm wage and salary employment advanced 8,300 between September 1989 and September 1990. The service-producing sector added 7,500 jobs. A major portion of the growth occurred in services (+3,800) and retail trade (+2,000). Goods-producing industries gained 800 employees over the year primarily due to slight expansion in construction and manufacturing. Increased production in rubber and miscellaneous plastics products outweighed reductions in transportation equipment, industrial machinery and equipment, and electronic and other electric equipment.

Seasonally adjusted employment in the Akron area declined 1,000 from August to 292,000 in September 1990 mainly due to a decrease in government. Since September 1989, total payroll employment advanced 8,000. Leading growth industries were services (+4,000) and retail trade (+2,000). Modest gains were also posted in transportation and public utilities and in government.



Akron PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment								
								Manufacturing Employment					
								Manufacturing Production Workers					
								Hours & Earnings					
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings			
		Total	Rate										
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	\$321.57	41.6	\$7.73			
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72			
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50			
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83			
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49			
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77			
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00			
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22			
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30			
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60			
333.0	315.1	17.8	5.4	1989	262.2	67.7	39.5	495.75	42.7	11.61			
				1989									
336.5	321.1	15.4	4.6	September	289.1	68.1	39.7	511.49	43.2	11.84			
337.8	320.6	17.2	5.1	October	288.5	67.9	39.4	497.78	42.4	11.74			
335.9	317.3	18.6	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72			
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71			
				1990									
330.0	306.4	23.6	7.2	January	277.2	67.1	38.1	497.64	42.9	11.60			
330.3	310.1	20.2	6.1	February	282.7	67.3	38.4	496.40	42.5	11.68			
330.6	312.2	18.4	5.6	March	285.4	67.6	38.6	500.02	42.7	11.71			
331.9	314.5	17.4	5.2	April	289.2	67.5	38.6	479.49	41.3	11.61			
335.2	318.2	17.0	5.1	May	293.6	67.4	38.4	516.00	43.0	12.00			
335.3	318.7	16.6	5.0	June	291.1	68.0	38.8	524.36	43.3	12.11			
338.0	321.8	16.2	4.8	July	290.1	67.6	38.3	509.92	42.6	11.97			
339.7	325.6	14.1	4.1	August	291.2	67.9	38.6	529.40	43.5	12.17			
INA	INA	INA	INA	September	297.4	68.4	39.0	532.27	43.7	12.18			

INA - Information not available

Akron PMSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
284	78	10	68	September	206	13	16	55	11	67	44
284	78	10	68	October	206	13	16	56	11	67	44
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
288	79	10	68	February	209	13	16	57	11	68	45
288	79	10	68	March	210	13	16	57	11	69	45
289	79	11	68	April	210	13	16	57	11	69	45
290	78	10	67	May	212	13	16	57	11	70	45
291	79	10	68	June	213	14	16	57	11	71	45
291	78	10	67	July	213	14	16	57	11	71	45
293	79	10	68	August	215	14	16	57	11	71	46
292	79	10	68	September	213	14	16	57	11	71	45

Akron PMSA

**Nonagricultural
Wage and Salary
Employment^a**

Not Seasonally Adjusted

	Employment (in thousands)			Change ^d (in thousands)	
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	From Last Month	From Last Year
Total	297.4	291.2	289.1	6.3	8.3
Goods-Producing Industries^e	80.6	80.0	79.7	.6	.8
Construction	11.5	11.5	11.0	.0	.5
Manufacturing	68.4	67.9	68.1	.5	.3
Durable Goods ^f	34.9	34.4	35.1	.5	-.2
Fabricated Metal Products	11.2	11.0	11.2	.2	.0
Fabricated Structural Metal Products	4.0	4.9	4.9	.0	.0
Industrial Machinery and Equipment	10.1	10.0	10.3	.2	-.1
Metalworking Machinery	4.0	3.9	3.9	.1	.1
Electronic and Other Electric Equipment	2.5	2.5	2.6	.0	-.1
Transportation Equipment	4.8	4.8	5.0	.0	-.2
Nondurable Goods ^g	33.6	33.6	33.0	.0	.5
Food and Kindred Products	3.1	3.1	3.1	.0	.0
Chemicals and Allied Products	3.7	3.7	3.6	.0	.0
Rubber and Miscellaneous Plastics Products	20.8	20.7	20.3	.0	.5
Tires and Inner Tubes	11.5	11.5	11.2	.0	.2
Service-Producing Industries	216.9	211.2	209.4	5.7	7.5
Transportation and Public Utilities	13.7	13.7	13.3	.0	.4
Communications, Electric, Gas Services	4.7	4.7	4.7	.0	.0
Wholesale Trade	16.0	16.0	15.5	-.1	.5
Retail Trade	57.8	57.4	55.8	.4	2.0
General Merchandise Stores	7.6	7.4	7.4	.1	.2
Food Stores	9.2	9.2	9.2	.1	.0
Finance, Insurance, and Real Estate	10.8	10.9	10.7	-.1	.1
Finance	5.4	5.4	5.4	-.1	.0
Services	73.0	73.8	69.2	-.7	3.8
Business Services	12.3	12.3	11.7	.0	.7
Personnel Supply Services	3.4	3.4	3.3	.0	.0
Amusements, Including Motion Pictures	8.9	9.7	7.8	-.9	1.1
Health Services	22.5	22.5	21.7	.1	.9
Nursing and Personal Care Facilities	4.0	4.0	3.8	.0	.2
Hospitals	11.1	11.0	10.8	.1	.3
Social Services	4.8	4.8	4.7	.1	.2
Engineering and Management Services	5.4	5.4	5.1	.0	.4
Government	45.7	39.4	45.0	6.3	.7
Federal Government	2.4	2.5	2.4	.0	.0
State Government	17.0	12.1	16.9	4.9	.2
State Government Education ^h	14.1	9.1	13.9	5.0	.2
Local Government	26.2	24.8	25.7	1.4	.5
Local Government Education	14.1	12.2	13.8	1.8	.3

Akron PMSA

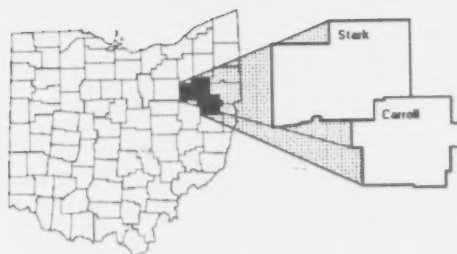
Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c
Manufacturing.....	\$532.27	\$529.40	\$511.49	43.7	43.5	43.2	\$12.18	\$12.17	\$11.84
Durable Goods ^d	545.08	547.28	535.48	44.1	44.1	44.0	12.36	12.41	12.17
Fabricated Metal Products.....	699.37	701.66	691.96	45.8	45.8	46.1	15.27	15.32	15.01
Fabricated Structural Metal Products.....	550.69	549.77	474.05	45.7	45.7	42.9	12.05	12.03	11.05
Industrial Machinery and Equipment.....	496.38	492.38	483.35	44.8	44.6	45.3	11.08	11.04	10.67
Metalworking Machinery.....	538.87	533.57	522.26	45.9	45.8	46.3	11.74	11.65	11.28
Electronic and Other Electric Equipment.....	439.72	437.02	386.28	42.2	41.9	39.7	10.42	10.43	9.73
Transportation Equipment.....	622.57	614.80	608.18	42.7	42.4	42.5	14.58	14.50	14.31
Nondurable Goods ^d	512.99	505.14	480.24	43.0	42.7	42.2	11.93	11.83	11.38
Food and Kindred Products.....	385.73	392.24	406.69	39.2	39.7	42.9	9.84	9.88	9.48
Chemicals and Allied Products.....	571.06	562.72	546.75	44.2	44.1	44.2	12.92	12.76	12.37
Rubber and Miscellaneous Plastics Products.....	523.16	523.03	489.19	44.0	44.1	43.1	11.89	11.86	11.35
Transportation and Public Utilities.....	600.00	589.11	614.67	40.9	40.6	41.9	14.67	14.51	14.67
Communications, Electric, Gas Services.....	362.45	365.27	355.99	36.5	36.6	36.7	9.93	9.98	9.70
Wholesale Trade.....	217.97	222.17	215.60	30.7	30.9	31.8	7.10	7.19	6.78
General Merchandise Stores.....	197.57	201.60	208.15	29.4	30.0	31.3	6.72	6.72	6.65
Food Stores.....	313.69	314.16	337.35	37.3	37.4	39.0	8.41	8.40	8.65
Finance, Insurance, and Real Estate.....	281.68	283.78	272.59	.....	.....	.....	.....	.....	.....
Finance.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes mining. ^fIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. ^gIncludes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^hIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ⁱMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

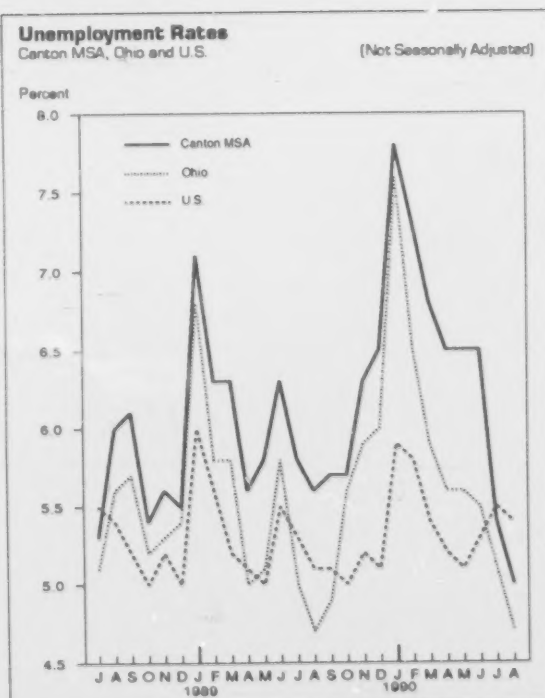
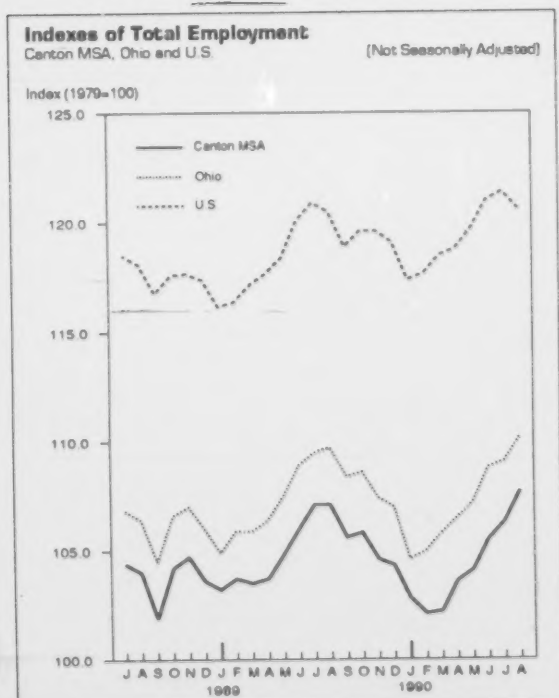
Canton Metropolitan Statistical Area



Nonfarm payroll employment in the Canton metropolitan area rose 1,200 above the August level to 169,600 in September 1990. The return of nonteaching personnel in local schools increased employment in service-producing industries 800. Scattered improvements among producers of durable-goods manufacturing, particularly primary metal industries and electronic and other electric equipment, raised employment in goods-producing industries 500 over the month to 54,900. Factory production workers averaged \$11.50 per hour, up 11 cents from August. Their average workweek was 0.5 hours longer at 43.0 hours.

Nonagricultural wage and salary employment advanced 3,300 between September 1989 and September 1990. Expansion in the service-producing sector contributed 90.9 percent of the gain. Leading growth industries were services (+1,500) and retail trade (+900). The workforce in goods-producing industries added 400 jobs during the period as improvements in construction outweighed declines in manufacturing. Over-the-year reductions in fabricated metal products, rubber and miscellaneous plastics products, and electronic and other electric equipment negated modest increases in primary metal industries and food and kindred products.

Seasonally adjusted employment in the Canton area was unchanged from the August level at 168,000 in September 1990. Since September 1989, total payroll employment advanced 3,000. Growth in services, retail trade, government, and construction more than offset a decrease in manufacturing.



Canton MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment					
		Total	Rate		Manufacturing Production Workers					
					Hours & Earnings					
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	\$330.88	40.9	\$8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
194.5	183.5	11.0	5.7	September	166.3	46.0	33.3	466.99	41.4	11.28
194.9	183.8	11.1	5.7	October	161.8	40.6	28.1	456.08	41.2	11.07
193.8	181.7	12.1	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.6	178.5	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
191.3	177.3	14.0	7.3	February	162.7	45.4	31.8	473.91	42.2	11.23
190.3	177.5	12.9	6.8	March	163.3	44.8	31.2	472.36	42.1	11.22
192.6	180.0	12.6	6	April	165.5	44.1	30.3	474.31	41.9	11.32
193.4	180.8	12.6	6.5	May	167.8	44.8	31.0	479.94	42.1	11.40
196.1	183.3	12.8	6.5	June	169.1	45.4	31.7	487.60	42.4	11.50
195.2	184.6	10.6	5.4	July	168.1	45.5	31.7	485.18	42.3	11.47
196.9	187.0	9.9	5.0	August	168.4	45.3	31.6	484.08	42.5	11.39
INA	INA	INA	INA	September	169.6	45.8	32.2	494.50	43.0	11.50

Nonagricultural Wage and Salary Employment^a

Not Seasonally Adjusted

Canton MSA

	Employment [in thousands]			Change ^d [in thousands]	
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	From Last Month	From Last Year
Total	169.6	168.4	166.3	1.2	3.3
Goods-Producing Industries^e	54.9	54.4	54.6	.5	.4
Construction	8.3	8.3	7.8	.0	.5
Manufacturing	45.8	45.3	46.0	.5	-.2
Durable Goods ^f	34.0	33.6	34.1	.4	-.1
Primary Metal Industries.....	12.1	11.9	11.6	.3	.5
Fabricated Metal Products.....	5.6	5.7	6.3	.0	-.6
Electronic and Other Electric Equipment.....	4.0	3.9	4.2	.1	-.2
Nondurable Goods ^g	11.8	11.7	11.9	.0	-.1
Food and Kindred Products.....	3.5	3.4	3.3	.0	.2
Rubber and Miscellaneous Plastics Products.....	2.8	2.8	3.2	.0	-.4
Service-Producing Industries	114.7	113.9	111.7	.8	3.0
Transportation and Public Utilities.....	5.7	5.7	5.8	.0	-.1
Communications, Electric, Gas Services.....	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.7	8.7	8.5	.0	.1
Retail Trade	34.0	34.0	33.0	.0	.9
General Merchandise Stores.....	4.0	4.0	4.1	.0	-.1
Food Stores.....	5.6	5.6	5.6	.0	.0
Finance, Insurance, and Real Estate.....	6.7	6.9	6.9	-.1	-.2
Finance.....	3.9	4.0	4.0	-.1	.0
Services.....	40.2	40.0	38.7	.1	1.5
Health Services.....	16.3	16.3	15.8	.0	.5
Nursing and Personal Care Facilities.....	3.9	3.9	3.7	.0	.2
Hospitals.....	7.6	7.6	7.4	.0	.2
Government	19.5	18.6	18.8	.8	-.6
Federal Government.....	1.4	1.4	1.3	.0	.0
State Government (Includes Education).....	1.8	1.7	1.7	.1	.1
Local Government.....	16.3	15.5	15.8	.8	.5
Local Government Education.....	9.7	8.6	9.4	1.1	.3

Canton MSA

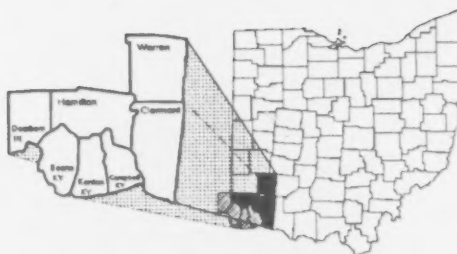
Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c
Manufacturing.....	\$494.50	\$484.08	\$466.99	43.0	42.5	41.4	\$11.50	\$11.39	\$11.28
Durable Goods ^d	514.79	501.98	488.46	43.7	43.2	42.0	11.78	11.62	11.63
Primary Metal Industries.....	564.57	558.30	488.04	45.9	45.8	42.0	12.30	12.19	11.62
Fabricated Metal Products.....	450.43	441.69	507.73	40.8	40.3	42.1	11.04	10.96	12.06
Electronic and Other Electric Equipment.....	584.44	548.26	549.38	41.1	39.5	41.4	14.22	13.88	13.27
Nondurable Goods ^e	429.39	431.98	402.56	40.7	40.6	39.7	10.55	10.64	10.14
Food and Kindred Products.....	432.22	459.20	404.16	39.4	41.0	38.2	10.97	11.20	10.58
Rubber and Miscellaneous Plastics Products.....	400.90	385.31	403.24	40.7	39.6	41.4	9.85	9.73	9.74
Transportation and Public Utilities.....	600.06	587.82	603.83	41.1	40.4	41.5	14.60	14.55	14.55
Communications, Electric, Gas Services.....	600.06	587.82	603.83	41.1	40.4	41.5	14.60	14.55	14.55
Wholesale Trade.....	391.17	388.16	373.32	39.0	38.7	37.9	10.03	10.03	9.85
Retail Trade ^f	174.23	175.69	169.26	27.7	28.2	28.4	6.29	6.23	5.96
General Merchandise Stores.....	192.49	196.04	186.15	28.1	29.0	29.5	6.85	6.76	6.31
Food Stores.....	167.31	164.67	157.82	28.6	28.1	27.4	5.85	5.86	5.76
Services.....	193.07	188.63	175.82	30.5	29.8	29.7	6.33	6.33	5.92
Health Services.....	193.07	188.63	175.82	30.5	29.8	29.7	6.33	6.33	5.92
Nursing and Personal Care Facilities.....	193.07	188.63	175.82	30.5	29.8	29.7	6.33	6.33	5.92

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes mining. ^fIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. ^gIncludes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^hMoney payments only; tips not included. ⁱDepressed due to labor-management disputes.

Cincinnati Primary Metropolitan Statistical Area



In the Cincinnati metropolitan area, nonfarm payroll employment rose 5,300 above the August level to 761,400 in September 1990. The return of nonteaching personnel in local and state schools and colleges and in private schools and more business in transportation and public utilities increased the workforce in service-producing industries 5,000. Employment in goods-producing industries, at 188,000, gained 400 jobs. Scattered improvements among manufacturers of durable and nondurable goods more than offset declines in construction. Factory production workers averaged \$12.17 per hour, down fractionally from August. Their average workweek was slightly longer at 43.6 hours.

Nonagricultural wage and salary employment advanced 23,400 between September 1989 and September 1990. Service-producing industries added 21,200 jobs. Significant expansion was recorded in retail trade (+7,700) and services (+7,000). Noteworthy growth also occurred in local government, transportation and public utilities, and wholesale trade. Improvements in construction and manufacturing raised employment in the goods-producing sector 2,200 over the year. Modest gains were registered in transportation equipment, printing and publishing, and chemicals and allied products.

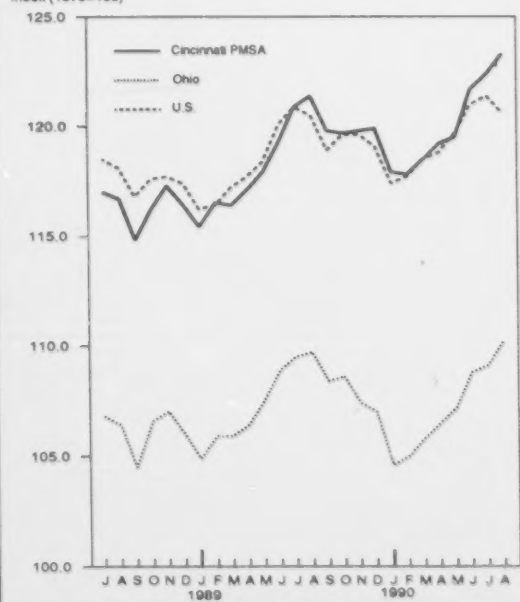
Seasonally adjusted employment in the Cincinnati area decreased 1,000 from August to 753,000 in September 1990. Declines in government, retail trade, and construction negated gains in transportation and public utilities and in services. Since September 1989, total payroll employment advanced 23,000. Primary areas of expansion were retail trade (+7,000) and services (+7,000). Improvements were also posted in transportation and public utilities, wholesale trade, government, and construction.

Indexes of Total Employment

Cincinnati PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index (1979=100)

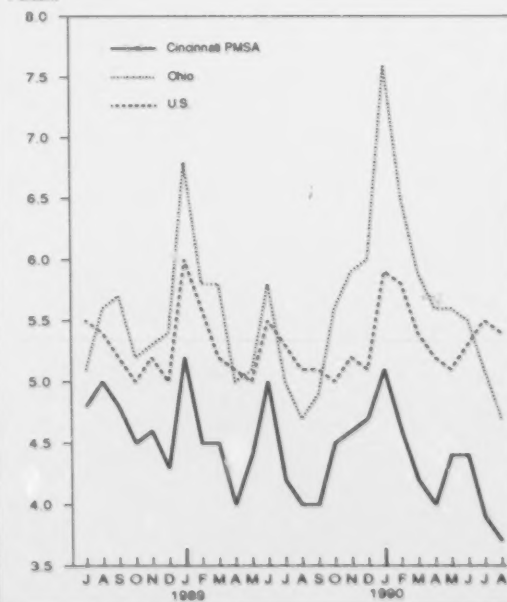


Unemployment Rates

Cincinnati PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

Percent



(Employed and Unemployed in Thousands)

INA – Information not available

Seasonally Adjusted
(In Thousands)

23

Cincinnati PMSA

**Nonagricultural
Wage and Salary
Employment^a**

Not Seasonally Adjusted

	Employment (in thousands)			Change ^d (in thousands)	
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^e	From Last Month	From Last Year
Total	761.4	756.1	738.0	5.3	23.4
Goods-Producing Industries^g	188.0	187.6	185.8	.4	2.2
Construction	37.8	38.2	36.4	- .5	1.4
Manufacturing	149.8	148.9	148.9	.8	.9
Durable Goods ^f	80.7	80.3	80.9	.4	- .2
Fabricated Metal Products	12.3	12.1	12.5	.2	- .2
Fabricated Structural Metal Products	4.6	4.5	4.7	.1	.0
Industrial Machinery and Equipment	19.3	19.2	19.5	.1	- .2
Electronic and Other Electric Equipment	7.6	7.5	7.9	.1	- .3
Transportation Equipment	25.0	25.0	24.5	.0	.5
Motor Vehicles and Equipment	5.0	4.9	5.0	.1	.0
Instruments and Related Products	3.6	3.5	3.6	.0	- .1
Nondurable Goods ^g	69.0	68.6	68.0	.4	1.1
Food and Kindred Products	12.2	12.3	12.2	- .1	.0
Beverages	2.9	2.9	2.8	.0	.1
Apparel and Other Textile Products	3.4	3.4	3.6	.0	- .2
Paper and Allied Products	6.1	6.0	5.8	.1	.2
Printing and Publishing	14.8	14.7	14.3	.1	.5
Commercial Printing	6.5	6.4	6.3	.1	.2
Chemicals and Allied Products	22.7	22.7	22.3	.1	.5
Rubber and Miscellaneous Plastics Products	7.0	6.9	7.0	.1	.0
Service-Producing Industries	573.4	568.4	552.2	5.0	21.2
Transportation and Public Utilities	42.1	41.4	40.2	.7	1.9
Transportation	25.6	24.9	24.0	.7	1.6
Trucking and Warehousing	11.5	11.3	10.9	.2	.7
Transportation by Air	7.0	6.9	6.2	.1	.7
Communications, Electric, Gas Services	16.5	16.5	16.3	.0	.3
Communications	9.7	9.6	9.8	.0	- .2
Wholesale Trade	49.5	49.7	47.9	- .2	1.6
Wholesale Trade-Durable Goods	29.0	29.1	28.6	- .1	.5
Retail Trade	152.3	152.6	144.6	- .3	7.7
General Merchandise Stores	22.6	22.3	21.3	.2	1.3
Finance, Insurance, and Real Estate	43.5	43.7	43.0	- .2	.5
Finance	17.6	17.7	17.3	- .1	.3
Depository Institutions	13.8	13.9	13.6	- .1	.2
Commercial Banks	9.7	9.7	9.4	- .1	.2
Insurance	16.9	16.9	17.1	.0	- .2
Insurance Carriers	14.1	14.1	14.3	.0	- .3
Life Insurance	6.6	6.7	6.9	.0	- .2
Fire, Marine, and Casualty Insurance	5.4	5.3	5.1	.0	.3
Services	194.4	194.0	187.4	.4	7.0
Hotels and Other Lodging Places	7.9	8.1	7.6	- .2	.3
Personal Services	8.6	8.5	8.2	.1	.4
Business Services	38.8	38.8	37.0	.0	1.8
Services to Buildings	6.2	6.3	5.8	- .1	.4
Computer and Data Processing Services	5.0	5.0	4.7	.0	.3
Amusements, Including Motion Pictures	14.1	14.2	14.1	- .1	.0
Health Services	58.6	58.5	56.3	.1	2.3
Nursing and Personal Care Facilities	11.3	11.3	11.0	.0	.3
Hospitals	27.8	27.9	26.9	.0	.9
Legal Services	4.6	4.7	4.3	.0	.3
Educational Services	6.7	5.8	6.7	.9	.0
Social Services	12.7	12.7	12.2	.0	.5
Residential Care	5.0	5.0	4.8	.0	.2
Engineering and Management Services	17.3	17.3	16.3	.0	1.0
Engineering and Architectural Services	6.0	5.9	5.6	.1	.4
Government	91.6	87.1	89.0	4.5	2.6
Federal Government	16.1	16.0	15.7	.1	.4
State Government	20.4	19.6	19.9	.8	.5
State Government Education ^h	12.0	11.2	11.7	.8	.3
Local Government	55.1	51.4	53.4	3.7	1.7
Local Government Education	30.7	26.1	29.7	4.6	.9

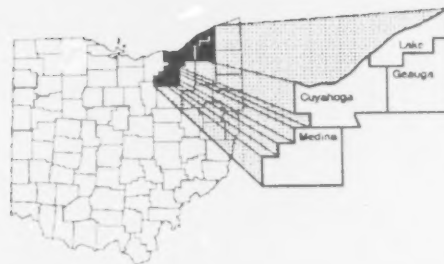
Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c
Manufacturing.....	\$530.61	\$529.83	\$506.48	43.6	43.5	43.4	\$12.17	\$12.18	\$11.67
Durable Goods ^d	530.42	523.74	501.40	43.8	43.5	43.6	12.11	12.04	11.50
Fabricated Metal Products.....	447.98	440.75	425.00	43.2	43.0	42.8	10.37	10.25	9.93
Fabricated Structural Metal Products.....	521.10	516.29	485.55	45.0	44.7	45.0	11.58	11.55	10.79
Industrial Machinery and Equipment.....	490.91	471.22	466.90	43.1	42.3	42.6	11.39	11.14	10.96
Electronic and Other Electric Equipment.....	405.30	386.92	387.89	42.0	40.6	42.3	9.65	9.53	9.17
Transportation Equipment.....	828.76	832.13	784.43	48.1	48.1	47.0	17.23	17.30	16.69
Motor Vehicles and Equipment.....	967.01	996.56	914.64	51.3	52.7	50.2	18.85	18.91	18.22
Instruments and Related Products.....	432.10	410.92	364.11	44.5	43.3	45.4	9.71	9.49	8.02
Nondurable Goods ^e	529.13	534.25	511.92	43.3	43.4	43.2	12.22	12.31	11.85
Food and Kindred Products.....	499.23	482.58	527.91	43.0	42.0	44.7	11.61	11.49	11.81
Beverages.....	567.84	553.83	557.21	42.0	41.3	42.6	13.52	13.41	13.08
Apparel and Other Textile Products.....	269.60	261.21	247.16	39.3	38.3	38.8	6.86	6.82	6.37
Paper and Allied Products.....	467.75	461.67	466.12	42.6	42.2	43.0	10.98	10.94	10.84
Printing and Publishing.....	525.39	519.96	496.65	42.2	42.0	41.7	12.45	12.38	11.91
Commercial Printing.....	575.22	564.75	547.07	45.4	45.0	45.4	12.67	12.55	12.05
Chemicals and Allied Products.....	651.51	690.23	609.96	44.2	46.2	43.6	14.74	14.94	13.99
Rubber and Miscellaneous Plastics Products.....	470.34	439.56	433.51	46.8	44.4	44.6	10.05	9.90	9.72
Transportation and Public Utilities.....	606.92	588.13	601.64	40.3	39.9	40.9	15.06	14.74	14.71
Communications, Electric, Gas Services.....	612.22	587.39	612.65	39.6	38.9	40.6	15.46	15.10	15.09
Communications.....									
Wholesale Trade.....	445.90	446.75	437.89	39.6	39.5	39.7	11.26	11.31	11.03
Retail Trade ^f	177.59	178.70	171.34	28.1	28.5	28.7	6.32	6.27	5.97
General Merchandise Stores.....	225.75	222.83	202.27	30.1	30.4	30.1	7.50	7.33	6.72
Finance, Insurance, and Real Estate.....									
Finance.....	301.38	304.58	286.85						
Depository Institutions.....	269.56	272.15	259.86						
Commercial Banks.....									
Insurance.....	417.42	415.11	403.86						
Insurance Carriers.....	423.78	422.77	413.32						
Life Insurance.....	432.13	425.81	412.50						
Fire, Marine, and Casualty Insurance.....									
Services.....									
Health Services.....	437.53	433.29	398.36	32.7	32.8	32.1	13.38	13.21	12.41
Hospitals.....									
Engineering and Management Services.....	657.91	648.97	661.42	41.3	41.1	42.7	15.93	15.79	15.49
Engineering and Architectural Services.....									

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes mining. ^fIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. ^gIncludes tobacco products; textile mill products; petroleum and coal products; leather and leather products. ^hIncludes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. ⁱMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

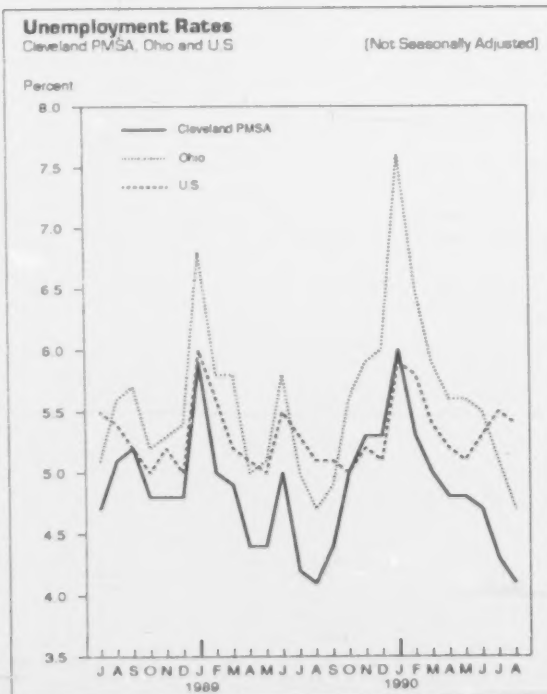
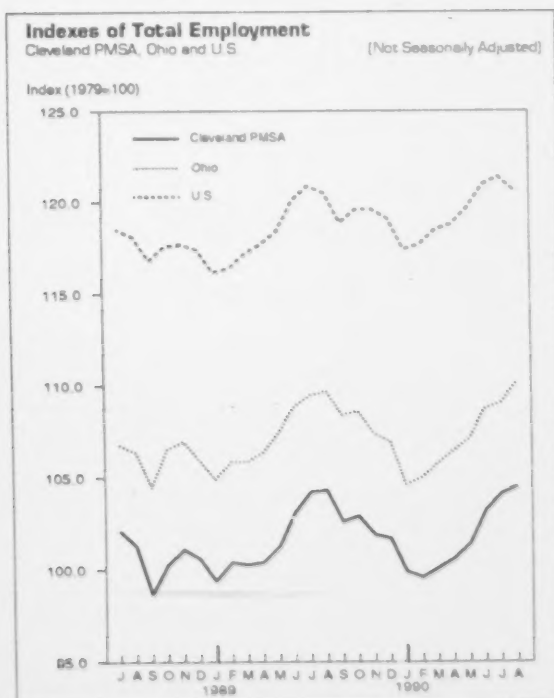
Cleveland Primary Metropolitan Statistical Area



Nonfarm wage and salary employment in the Cleveland metropolitan area rose 5,300 above the August level to 965,600 in September 1990. Service-producing industries added 3,300 workers primarily due to the return of nonteaching personnel in local and private schools. Increased production in manufacturing, especially transportation equipment and food and kindred products, raised employment in goods-producing industries 2,000 over the month to 246,100. Factory production workers averaged \$12.24 per hour, up 10 cents from August. Their average workweek of 42.9 hours was 0.2 hours longer.

Nonagricultural payroll employment advanced 19,700 between September 1989 and September 1990. Employment in the service-producing sector rose 18,300. A major portion of the growth occurred in services, particularly business services and engineering and management services, and in retail trade. Noteworthy gains were also posted in wholesale trade and local government. Moderate expansion in construction increased employment in goods-producing industries 1,400 during the period. The manufacturing workforce declined slightly as over-the-year reductions in industrial machinery and equipment and primary metal industries negated improvements in printing and publishing, chemicals and allied products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Cleveland area increased 6,000 from August to 959,000 in September 1990. Gains in government and manufacturing outweighed a decline in services. Since September 1989, total payroll employment advanced 20,000. Leading growth sectors were services (+8,000), retail trade (+6,000), and wholesale trade (+2,000).



Cleveland PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force			
Total	Employed	Unemployed	
		Total	Rate
935.8	889.1	46.7	5.0
937.1	869.1	68.0	7.3
933.9	854.0	79.8	8.5
933.4	833.2	100.2	10.7
928.7	823.4	105.3	11.3
923.6	841.0	82.6	8.9
926.0	849.2	76.8	8.3
932.8	862.7	70.1	7.5
927.0	869.0	58.0	6.3
936.5	885.0	51.4	5.5
951.7	905.7	46.0	4.8
953.8	912.1	41.6	4.4
963.3	915.2	48.1	5.0
956.2	905.8	50.5	5.3
954.9	904.0	50.9	5.3
945.1	888.0	57.1	6.0
935.5	885.7	49.8	5.3
936.8	890.1	46.7	5.0
939.2	894.4	44.9	4.8
947.1	901.5	45.5	4.8
962.5	917.2	45.3	4.7
967.6	925.6	42.1	4.3
968.4	929.1	39.3	4.1
INA	INA	INA	INA

INA - Information not available

Nonagricultural Wage & Salary Employment					
Manufacturing Employment					
Manufacturing Production Workers					
Hours & Earnings					
			Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
919.8	276.3	188.6	\$337.60	42.2	\$8.00
895.7	254.9	169.2	350.38	40.6	8.63
880.7	246.8	161.8	395.38	41.1	9.62
844.6	223.0	141.8	402.99	39.9	10.10
829.8	207.3	132.4	427.41	40.9	10.45
854.5	213.8	137.5	456.12	42.0	10.86
868.7	211.2	135.1	467.74	41.8	11.19
879.2	204.9	131.5	481.62	42.1	11.44
891.6	200.6	128.3	496.35	42.9	11.57
911.3	203.3	131.1	508.65	43.4	11.72
935.2	207.0	133.3	509.87	43.1	11.83
945.9	207.7	133.3	517.65	43.5	11.90
947.7	207.4	133.3	507.94	42.9	11.84
949.2	207.9	133.7	509.98	43.0	11.86
953.5	208.2	133.8	511.70	43.0	11.90
926.5	205.6	131.3	495.33	42.3	11.71
928.4	206.6	132.3	502.60	42.2	11.91
936.0	206.1	131.8	522.88	43.0	12.16
947.1	206.7	132.1	498.78	41.6	11.99
958.9	207.2	132.4	531.72	43.3	12.28
969.3	208.1	133.0	534.25	43.4	12.31
966.6	207.3	131.8	514.74	42.4	12.14
960.2	205.6	130.8	518.38	42.7	12.14
965.6	207.6	133.0	525.10	42.9	12.24

Cleveland PMSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	28	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
939	241	33	207	1989 September	698	42	67	160	57	253	119
941	241	33	207	October	700	42	67	160	57	253	120
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
945	241	33	207	1990 January	704	43	67	161	58	255	120
949	243	34	208	February	706	43	68	162	57	256	120
952	242	34	207	March	710	43	68	163	58	258	121
954	242	34	208	April	711	43	68	164	58	258	120
957	242	34	207	May	715	43	68	164	58	259	122
958	242	34	207	June	716	43	69	165	58	260	122
957	242	34	207	July	714	43	68	166	58	261	119
953	241	34	206	August	712	43	69	166	58	262	115
959	242	34	207	September	717	43	69	166	58	261	120

Nonagricultural Wage and Salary Employment^a

Not Seasonally Adjusted

	Employment (in thousands)			Change ^d (in thousands)	
	Sep 1990 ^b	Aug 1990 ^c	Sep 1989 ^c	From Last Month	From Last Year
Total	965.6	960.2	945.9	5.3	19.7
Goods-Producing Industries^e	246.1	244.1	244.7	2.0	1.4
Construction	37.6	37.6	36.1	0	1.5
Special Trade Contractors	25.5	25.5	24.9	-1	6
Manufacturing	207.6	205.6	207.7	2.0	-1
Durable Goods ^f	141.0	140.0	142.3	1.0	-1.3
Stone, Clay, and Glass Products	3.8	3.8	3.6	0	2
Primary Metal Industries	20.9	20.7	21.4	2	-5
Iron and Steel Foundries	4.2	4.1	4.6	1	-3
Fabricated Metal Products	34.2	34.1	34.1	1	1
Screw Machine Products, Bolts, etc	5.0	4.9	5.1	1	-1
Metal Forgings and Stampings	10.8	10.9	10.9	-1	0
Industrial Machinery and Equipment	33.0	33.1	34.2	-1	-1.2
Metalworking Machinery	12.9	13.0	13.2	-2	-3
Electronic and Other Electric Equipment	15.4	15.4	15.3	-1	1
Electrical Industrial Apparatus	4.3	4.3	4.4	0	-1
Electric Lighting and Wiring Equipment	5.1	5.1	5.2	0	-1
Transportation Equipment	19.2	18.4	19.2	9	0
Motor Vehicles and Equipment	12.2	11.3	12.1	8	1
Instruments and Related Products	7.0	7.0	7.1	0	-1
Measuring and Controlling Devices	5.2	5.1	4.9	0	3
Non-durable Goods ^g	66.6	65.6	65.4	1.0	1.2
Food and Kindred Products	6.8	6.1	6.7	7	1
Apparel and Other Textile Products	3.2	3.1	3.2	1	0
Paper and Allied Products	5.7	5.8	5.9	0	-2
Printing and Publishing	17.4	17.5	16.9	0	5
Chemicals and Allied Products	15.2	15.2	14.8	0	4
Rubber and Miscellaneous Plastics Products	12.1	12.0	11.8	1	3
Miscellaneous Plastics Products	7.7	7.6	7.3	1	4
Service-Producing Industries	719.5	716.2	701.2	3.3	18.3
Transportation and Public Utilities	43.6	43.4	42.7	2	9
Transportation	26.8	26.5	25.2	3	1.6
Trucking and Warehousing	11.9	11.9	11.7	0	2
Transportation by Air	5.6	5.4	5.0	2	6
Communications, Electric, Gas Services	16.8	16.9	17.5	-1	-8
Communications	10.0	10.0	10.2	0	-2
Electric, Gas, and Sanitary Services	6.7	6.8	7.3	-1	-5
Wholesale Trade	68.9	69.1	66.9	-3	2.0
Wholesale Trade-Durable Goods	46.9	47.1	45.6	-1	1.4
Motor Vehicles, Parts, and Supplies	4.1	4.0	4.2	1	-1
Professional and Commercial Equipment	9.2	9.2	9.2	-1	0
Retail Trade	166.9	167.2	160.9	-3	6.0
General Merchandise Stores	21.2	21.0	20.5	2	7
Finance, Insurance, and Real Estate	58.2	58.7	57.3	-5	8
Finance	28.1	28.4	27.9	-3	2
Depository Institutions	20.8	21.1	20.7	-3	1
Commercial Banks	13.0	13.2	13.0	2	0
Insurance	18.7	18.8	18.4	0	3
Insurance Carriers	14.2	14.2	14.0	0	2
Fire, Marine, and Casualty Insurance	6.4	6.5	6.3	-1	1
Services	264.6	264.0	257.1	7	7.5
Business Services	56.2	56.0	53.2	2	2.9
Personnel Supply Services	21.9	21.5	20.3	3	1.6
Computer and Data Processing Services	7.1	7.1	6.5	0	6
Amusements, Including Motion Pictures	13.0	13.8	13.6	-8	-6
Health Services	80.3	80.4	79.5	-1	8
Nursing and Personal Care Facilities	13.8	13.9	13.4	-1	4
Hospitals	43.7	43.8	44.2	-1	-4
Legal Services	9.9	10.0	9.7	-1	2
Educational Services	17.0	15.1	16.8	2.0	2
Social Services	14.3	14.0	13.5	2	7
Residential Care	3.9	4.0	3.6	0	3
Engineering and Management Services	22.6	22.7	21.4	-1	1.3
Engineering and Architectural Services	8.3	8.3	7.9	-1	3
Accounting, Auditing, and Bookkeeping	6.5	6.6	6.4	-1	2
Management and Public Relations	5.0	4.9	4.4	1	6
Government	117.4	113.9	116.4	3.6	1.1
Federal Government	20.0	20.0	20.6	0	-6
State Government	7.6	7.8	7.3	-2	3
State Government Education ^h	2.6	2.5	2.3	1	3
Local Government	89.9	86.1	88.4	3.8	1.4
Local Government Education	43.7	38.2	44.4	5.5	-7

Cleveland PMSA

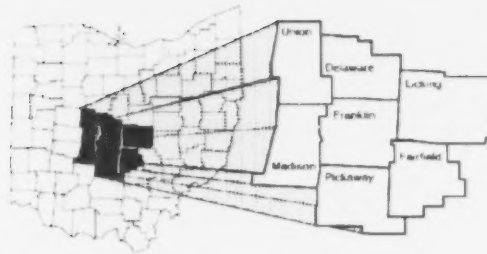
**Hours and Earnings
of Production or
Nonsupervisory Workers^a**

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c
Manufacturing.....	\$525.10	\$518.38	\$517.65	42.9	42.7	43.5	\$12.24	\$12.14	\$11.90
Durable Goods ^d	557.67	552.45	547.28	43.5	43.5	44.1	12.82	12.70	12.41
Stone, Clay, and Glass Products.....	498.87	514.11	484.04	41.4	42.7	41.3	12.05	12.04	11.72
Primary Metal Industries.....	570.57	533.82	548.28	45.5	44.3	45.2	12.54	12.05	12.13
Iron and Steel Foundries.....	967.61	849.88	895.78	50.9	47.4	49.3	19.01	17.93	18.17
Fabricated Metal Products.....	550.40	552.12	534.44	43.0	43.0	43.1	12.80	12.84	12.40
Screw Machine Products, Bolts, etc.....	535.73	532.82	521.08	43.1	42.9	43.1	12.43	12.42	12.09
Metal Forgings and Stampings.....	699.33	701.32	650.13	44.8	44.5	43.4	15.61	15.76	14.98
Industrial Machinery and Equipment.....	546.40	559.10	537.43	44.1	44.8	44.6	12.39	12.48	12.05
Metalworking Machinery.....	532.95	506.26	544.96	43.9	42.4	45.3	12.14	11.94	12.03
Electronic and Other Electric Equipment.....	423.46	424.50	422.71	40.6	40.7	41.2	10.43	10.43	10.26
Electrical Industrial Apparatus.....	442.66	456.93	446.34	42.4	43.6	43.0	10.44	10.48	10.38
Electric Lighting and Wiring Equipment.....	399.51	395.26	382.98	38.6	38.3	39.2	10.35	10.32	9.77
Transportation Equipment.....	757.67	741.32	751.64	44.7	44.1	46.0	16.95	16.81	16.34
Motor Vehicles and Equipment.....	852.85	836.24	850.36	46.1	45.3	47.4	18.50	18.46	17.94
Instruments and Related Products.....	464.20	472.76	419.23	42.2	42.4	40.9	11.00	11.15	10.25
Measuring and Controlling Devices.....	477.73	468.68	454.53	43.0	42.3	42.4	11.11	11.08	10.72
Nondurable Goods ^e	444.80	439.11	443.30	41.3	41.0	41.9	10.77	10.71	10.58
Food and Kindred Products.....	471.55	460.02	486.18	41.4	41.0	43.8	11.39	11.22	11.10
Apparel and Other Textile Products.....	388.22	371.72	373.35	38.9	37.7	39.3	9.98	9.86	9.50
Paper and Allied Products.....	523.16	503.09	474.14	45.1	43.9	42.6	11.60	11.46	11.13
Printing and Publishing.....	385.97	381.21	386.77	37.4	37.3	38.6	10.32	10.22	10.02
Chemicals and Allied Products.....	551.69	551.68	543.85	42.8	42.7	43.3	12.89	12.92	12.56
Rubber and Miscellaneous Plastics Products.....	390.34	376.74	393.64	42.8	42.0	43.4	9.12	8.97	9.07
Miscellaneous Plastics Products.....	397.93	381.49	410.35	43.3	42.2	44.7	9.19	9.04	9.18
Transportation and Public Utilities.....	*****	*****	*****	****	****	****	*****	*****	*****
Transportation.....	*****	*****	*****	****	****	****	*****	*****	*****
Trucking and Warehousing.....	531.73	491.39	477.43	36.9	34.9	34.9	14.41	14.08	13.68
Communications, Electric, Gas Services.....	658.02	629.86	626.08	42.1	40.9	41.6	15.63	15.40	15.05
Wholesale Trade.....	468.87	468.07	453.77	39.5	39.6	39.7	11.87	11.82	11.43
Retail Trade ^f	191.95	193.45	185.87	27.9	28.2	27.7	6.88	6.86	6.71
General Merchandise Stores.....	186.40	187.62	191.43	28.2	28.6	28.7	6.61	6.56	6.67
Finance, Insur., and Real Estate.....	*****	*****	*****	****	****	****	*****	*****	*****
Finance.....	324.52	321.44	317.88	****	****	****	*****	*****	*****
Depository Institutions.....	297.65	294.87	291.07	****	****	****	*****	*****	*****
Commercial Banks.....	286.87	285.53	287.31	****	****	****	*****	*****	*****
Services.....	*****	*****	*****	****	****	****	*****	*****	*****
Health Services.....	345.07	342.41	321.36	31.6	31.5	31.2	10.92	10.87	10.30
Nursing and Personal Care Facilities.....	248.50	249.38	215.07	33.4	33.7	32.1	7.44	7.40	6.70
Hospitals.....	377.30	378.53	355.88	30.8	30.9	30.6	12.25	12.25	11.63

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes mining. ^fIncludes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. ^gIncludes tobacco products; textile mill products; petroleum and coal products; leather and leather products. ^hIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ⁱMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

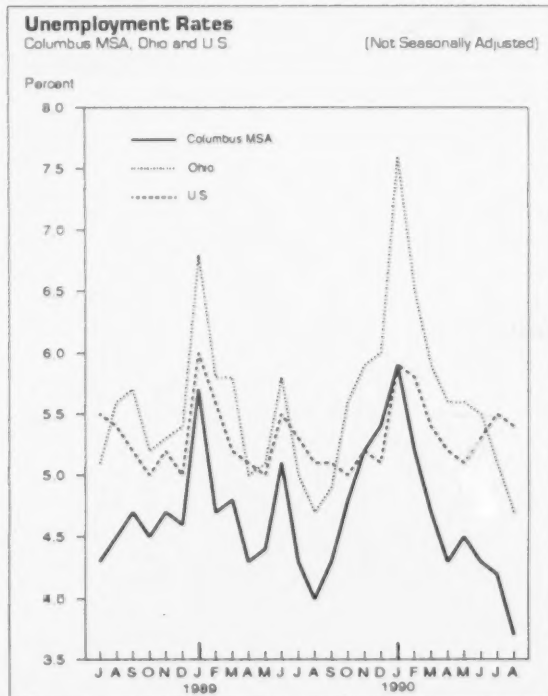
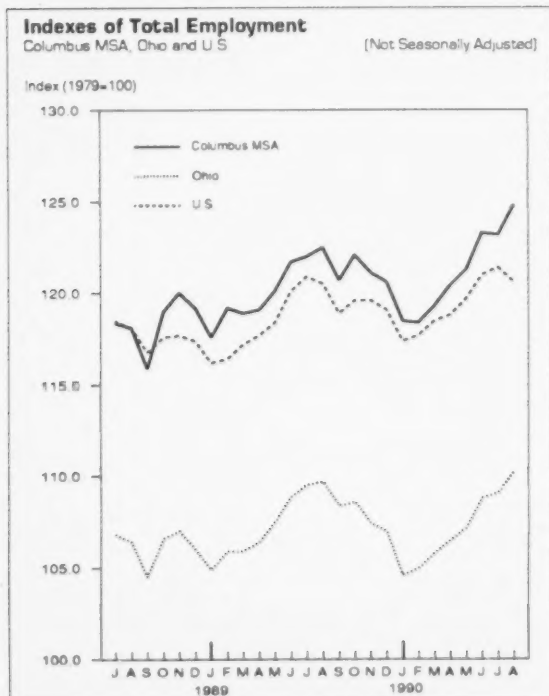
Columbus Metropolitan Statistical Area



Nonagricultural payroll employment in the Columbus metropolitan area rose 4,300 above the August level to 730,700 in September 1990. The return of nonteaching personnel in local and private schools increased employment in service-producing industries 3,900. The workforce in goods-producing industries, at 139,800, added 300 jobs over the month as improvements in manufacturing outweighed modest declines in construction. More business in stone, clay, and glass products and rubber and miscellaneous plastics products more than offset a reduction in chemicals and allied products. Factory production workers averaged \$12.56 per hour, up 20 cents from August. Their average workweek of 42.3 hours was 0.6 hours longer.

Nonfarm wage and salary employment advanced 24,600 between September 1989 and September 1990. Improvements in service-producing industries contributed 94.3 percent of the gain. Leading growth areas were services (+8,800) and retail trade (+8,100). Notable increases were also posted in state and local government, wholesale trade, and transportation and public utilities. Expansion in construction raised employment in goods-producing industries 1,300 above the year-ago level. The manufacturing workforce was down slightly as decreased production in electronic and other electric equipment, fabricated metal products, and instruments and related products negated gains in transportation equipment and nondurable goods.

Seasonally adjusted employment in the Columbus area dropped 2,000 from August to 728,000 in September 1990. Since September 1989, total payroll employment advanced 24,000. A major portion of the growth occurred in retail trade (+8,000), services (+8,000), and government (+4,000).



Columbus MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment						
Total	Employed	Unemployed						Manufacturing Employment			
		Total	Rate						Manufacturing Production Workers		
									Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA	
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA	
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA	
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA	
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA	
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	\$426.06	40.5	\$10.52	
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83	
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22	
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41	
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55	
730.3	692.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01	
				1989							
728.2	697.0	31.2	4.3	September	706.2	106.1	70.7	504.15	41.7	12.09	
740.3	704.9	35.4	4.8	October	712.9	105.5	70.5	512.02	41.9	12.22	
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26	
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31	
				1990							
727.2	684.3	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27	
720.9	683.7	37.2	5.2	February	701.8	104.2	69.5	520.36	42.1	12.36	
722.8	689.0	33.8	4.7	March	709.1	104.2	69.8	512.10	41.6	12.31	
726.7	695.5	31.2	4.3	April	719.7	104.8	70.2	501.43	40.9	12.26	
733.4	700.7	32.7	4.5	May	727.3	104.9	70.1	514.58	41.7	12.34	
744.2	712.0	32.2	4.3	June	734.0	105.7	70.6	520.80	42.0	12.40	
742.4	711.6	30.8	4.2	July	724.0	104.2	68.9	524.15	42.1	12.45	
748.2	720.8	27.4	3.7	August	726.4	105.5	70.3	515.41	41.7	12.36	
INA	INA	INA	INA	September	730.7	106.0	70.8	531.29	42.3	12.56	

INA - Information not available

Columbus MSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
704	135	29	105	September	569	31	37	144	60	173	124
705	135	29	105	October	570	31	37	145	60	173	125
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	37	147	61	175	126
717	136	30	105	March	581	31	38	148	61	176	127
721	136	30	105	April	585	32	38	150	61	178	128
724	137	30	105	May	588	32	38	150	61	179	128
727	137	30	106	June	591	32	38	151	61	179	129
728	135	30	104	July	593	31	38	152	61	180	130
730	137	30	105	August	593	31	38	153	61	181	128
728	136	30	105	September	592	32	38	152	61	181	128

Columbus MSA

**Nonagricultural
Wage and Salary
Employment^a**

Not Seasonally Adjusted

	Employment (in thousands)			Change ^d (in thousands)	
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	From Last Month	From Last Year
Total	730.7	726.4	706.2	4.3	24.6
Goods-Producing Industries^e	139.8	139.4	138.4	.3	1.3
Construction	32.8	33.0	31.4	-2	1.4
Manufacturing	106.0	105.5	106.1	.5	-.1
Durable Goods ^f	66.4	66.0	66.8	.4	-.5
Stone, Clay, and Glass Products	10.4	10.2	10.2	.2	.2
Glass and Glassware, Pressed or Blown	3.6	3.5	3.5	.1	.0
Fabricated Metal Products	9.7	9.5	10.0	.1	-.3
Industrial Machinery and Equipment	9.9	9.9	9.8	.1	.2
Electronic and Other Electric Equipment	9.1	9.1	9.5	.0	-.4
Transportation Equipment	14.5	14.5	13.9	.0	.6
Motor Vehicles and Equipment	13.4	13.5	13.2	.0	.2
Instruments and Related Products	4.5	4.6	4.8	-.1	-.3
Nondurable Goods ^g	39.6	39.5	39.3	.2	.3
Food and Kindred Products	11.1	11.0	10.9	.1	.2
Dairy Products	4.4	4.4	4.0	.0	.4
Printing and Publishing	11.0	11.0	10.9	.0	.2
Chemicals and Allied Products	6.8	7.0	6.9	-.2	.0
Rubber and Miscellaneous Plastics Products	6.4	6.3	6.2	.2	.2
Service-Producing Industries	591.0	587.0	567.7	3.9	23.2
Transportation and Public Utilities	32.1	31.9	31.1	.3	1.0
Transportation	19.9	19.6	18.8	.3	1.1
Trucking and Warehousing	14.3	14.1	13.1	.2	1.1
Communications, Electric, Gas Services	12.2	12.2	12.3	.0	-.1
Communications	7.6	7.6	7.7	.0	-.2
Electric, Gas, and Sanitary Services	4.7	4.7	4.6	.0	.1
Wholesale Trade	38.3	38.4	37.2	-.1	1.1
Wholesale Trade-Durable Goods	24.6	24.6	24.1	-.1	.5
Motor Vehicles, Parts, and Supplies	3.2	3.2	3.1	.0	.1
Machinery, Equipment, and Supplies	5.5	5.6	5.5	.0	.1
Wholesale Trade Nondurable Goods	13.7	13.7	13.2	.0	.6
Retail Trade	153.1	152.7	145.0	.4	8.1
General Merchandise Stores	21.7	21.5	21.1	.2	.6
Food Stores	17.0	17.2	16.5	-.2	.4
Automotive Dealers and Service Stations	15.3	15.3	14.4	.0	.9
Finance, Insurance, and Real Estate	61.0	61.7	60.4	-.7	.6
Finance	24.0	24.2	23.7	-.2	.2
Depository Institutions	14.4	14.6	14.5	-.1	-.1
Commercial Banks	12.3	12.5	12.0	-.1	.4
Insurance	27.8	28.1	27.7	-.3	.1
Insurance Carriers	23.8	24.1	23.7	-.2	.1
Services	183.2	182.1	174.4	1.1	8.8
Business Services	39.7	39.6	36.9	.2	2.8
Personnel Supply Services	15.0	14.9	13.1	.1	1.9
Health Services	47.3	47.3	45.0	.0	2.3
Nursing and Personal Care Facilities	8.3	8.3	8.1	.0	.2
Hospitals	21.9	21.9	20.8	.0	1.1
Legal Services	4.6	4.7	4.4	-.1	.2
Educational Services	7.2	6.0	6.9	1.3	.3
Social Services	13.0	12.8	12.6	.1	.4
Engineering and Management Services	18.6	18.7	17.6	.0	1.0
Engineering and Architectural Services	4.8	4.8	4.4	.0	.4
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.1	.0	.0
Research and Testing Services	6.3	6.4	6.0	-.1	.3
Government	123.2	120.3	119.6	2.9	3.6
Federal Government	15.6	15.6	16.1	.0	-.5
State Government	52.3	53.0	50.1	-.7	2.2
State Government Education ^h	18.8	19.2	17.8	-.4	1.0
Local Government	55.3	51.6	53.4	3.6	1.9
Local Government Education	32.8	28.5	31.8	4.3	1.0

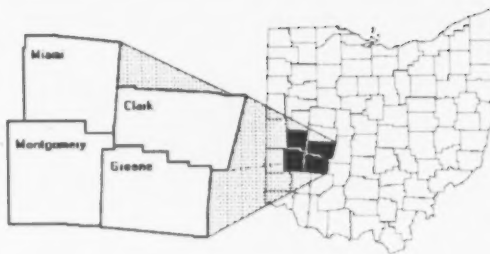
Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c
Manufacturing.....	\$531.29	\$515.41	\$504.15	42.3	41.7	41.7	\$12.56	\$12.36	\$12.09
Durable Goods ¹	553.41	531.30	514.58	42.9	42.0	41.7	12.90	12.65	12.34
Stone, Clay, and Glass Products.....	541.89	539.68	511.37	44.2	44.2	42.9	12.26	12.21	11.92
Glass and Glassware, Pressed or Blown.....	466.47	454.99	455.34	42.1	41.4	42.2	11.08	10.99	10.79
Fabricated Metal Products.....	530.54	526.95	511.52	41.0	41.2	40.5	12.94	12.79	12.63
Industrial Machinery and Equipment.....	545.68	496.23	486.80	44.4	41.7	41.5	12.29	11.90	11.73
Electronic and Other Electric Equipment.....	540.59	511.28	516.52	42.6	41.1	42.9	12.69	12.44	12.04
Transportation Equipment.....	668.70	622.80	600.60	45.0	43.1	42.0	14.86	14.45	14.30
Motor Vehicles and Equipment.....	665.43	629.86	602.28	44.6	43.2	42.0	14.92	14.58	14.34
Instruments and Related Products.....	418.82	426.78	405.72	39.4	40.3	39.2	10.63	10.59	10.35
Nondurable Goods ²	490.64	484.57	481.73	41.3	41.1	41.6	11.88	11.79	11.58
Food and Kindred Products.....	455.61	423.50	422.28	42.7	40.8	41.4	10.67	10.38	10.20
Dairy Products.....	634.50	608.96	634.82	45.0	44.0	44.8	14.10	13.84	14.17
Printing and Publishing.....	559.60	576.22	541.15	40.0	41.1	39.5	13.99	14.02	13.70
Chemicals and Allied Products.....	657.28	614.96	632.49	43.1	41.3	43.5	15.25	14.89	14.54
Rubber and Miscellaneous Plastics Products.....	387.99	392.37	395.17	40.5	41.0	43.0	9.58	9.57	9.19
Transportation and Public Utilities.....	*****	*****	*****	****	****	****	*****	*****	*****
Transportation.....	*****	*****	*****	****	****	****	*****	*****	*****
Trucking and Warehousing.....	450.70	445.90	384.62	34.3	34.3	29.7	13.14	13.00	12.95
Communications, Electric, Gas Services.....	682.59	681.03	664.94	43.7	43.6	44.3	15.62	15.62	15.01
Communications.....	595.10	592.81	613.84	39.7	39.6	41.9	14.99	14.97	14.65
Electric, Gas, and Sanitary Services.....	825.29	825.79	749.13	50.2	50.2	48.3	16.44	16.45	15.51
Wholesale Trade.....	409.73	407.33	390.79	38.8	38.5	38.2	10.56	10.58	10.23
Retail Trade ³	184.82	186.70	184.88	27.3	27.7	28.4	6.77	6.74	6.51
General Merchandise Stores.....	208.05	212.28	202.71	28.5	29.0	29.0	7.30	7.32	6.99
Food Stores.....	194.88	192.20	194.58	28.0	28.1	27.6	6.96	6.84	7.05
Finance, Insurance, and Real Estate.....	*****	*****	*****	****	****	****	*****	*****	*****
Finance.....	456.10	458.77	425.21	****	****	****	*****	*****	*****
Depository Institutions.....	295.09	300.26	284.73	****	****	****	*****	*****	*****
Commercial Banks.....	292.90	298.14	282.75	****	****	****	*****	*****	*****
Services.....	*****	*****	*****	****	****	****	*****	*****	*****
Health Services.....	*****	*****	*****	****	****	****	*****	*****	*****
Nursing and Personal Care Facilities.....	239.69	231.28	223.67	32.7	31.9	32.7	7.33	7.25	6.84
Hospitals.....	407.32	399.84	390.98	34.2	33.6	34.6	11.91	11.90	11.30
Engineering and Management Services.....	*****	*****	*****	****	****	****	*****	*****	*****
Engineering and Architectural Services.....	498.89	485.08	490.37	39.5	38.9	39.9	12.63	12.47	12.29

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes mining. ^fIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. ^gIncludes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^hIncludes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

Dayton-Springfield Metropolitan Statistical Area



In the Dayton-Springfield metropolitan area, total nonfarm payroll employment rose 5,400 above the August level to 462,100 in September 1990. The return of nonteaching personnel in local and private schools boosted employment in the service-producing sector 5,400. Employment in goods-producing industries was unchanged over the month at 124,300. Scattered increases in nondurable-goods manufacturing and transportation equipment offset declines in industrial machinery and equipment and construction. Factory production workers averaged \$13.69 per hour, up 36 cents from August. Their average workweek of 43.1 hours was 1.3 hours longer.

Nonagricultural wage and salary employment advanced 8,100 between September 1989 and September 1990. The improvement was concentrated in the service-producing sector. Leading growth industries were services, especially business services, retail trade, local government, and transportation and public utilities. The number of jobs in goods-producing industries decreased 100 due to declines in manufacturing. Over-the-year production cutbacks in industrial machinery and equipment, electronic and other electric equipment, and rubber and miscellaneous plastics products outweighed gains in transportation equipment, paper and allied products, and printing and publishing.

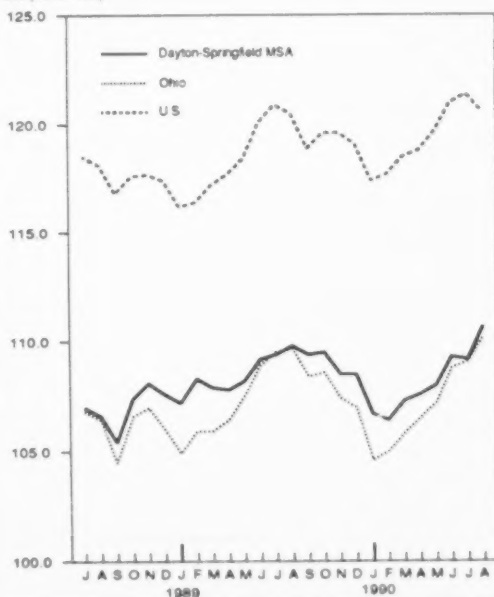
Seasonally adjusted employment in the Dayton-Springfield area dropped 2,000 from August to 458,000 in September 1990 mainly due to reductions in government and wholesale trade. Since September 1989, total payroll employment advanced 8,000. Noteworthy expansion occurred in services (+4,000), retail trade (+2,000), and government (+2,000).

Indexes of Total Employment

Dayton-Springfield MSA, Ohio and U.S.

[Not Seasonally Adjusted]

Index (1979=100)

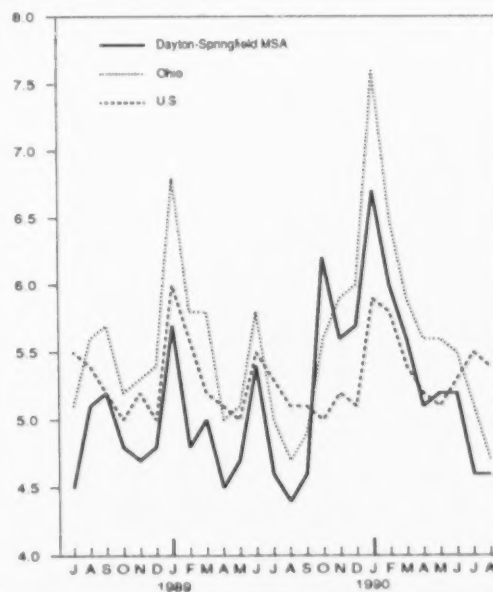


Unemployment Rates

Dayton-Springfield MSA, Ohio and U.S.

[Not Seasonally Adjusted]

Percent



Dayton-Springfield MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total	Employed	Unemployed						Manufacturing Production Workers		
		Total	Rate					Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	\$480.91	42.9	\$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.3	104.5	67.2	555.56	42.9	12.95
1989										
479.3	457.4	21.9	4.6	September	454.0	105.0	67.4	555.54	42.8	12.98
487.6	457.6	30.0	6.2	October	453.3	101.7	65.1	552.12	42.8	12.90
480.4	453.5	27.0	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
1990										
478.5	446.2	32.3	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93
473.4	444.9	28.4	6.0	February	447.1	103.3	66.6	545.02	41.7	13.07
475.1	448.6	26.5	5.6	March	452.1	104.1	67.2	553.92	41.9	13.22
474.2	449.8	24.3	5.1	April	456.1	104.0	67.4	539.23	41.1	13.12
476.5	451.5	25.0	5.2	May	459.6	104.7	68.0	583.08	43.0	13.56
481.9	456.8	25.1	5.2	June	461.5	105.9	68.8	605.68	43.7	13.86
478.5	456.5	22.0	4.6	July	455.6	105.5	68.0	570.54	42.2	13.52
484.7	462.6	22.2	4.6	August	456.7	104.7	67.4	557.19	41.8	13.33
INA	INA	INA	INA	September	462.1	104.9	67.9	590.04	43.1	13.69

INA - Information not available

Dayton-Springfield MSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
1989											
450	122	17	104	September	328	18	21	80	18	114	76
448	119	17	101	October	329	18	21	80	18	115	77
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
1990											
453	122	18	104	January	330	18	21	81	18	115	78
454	123	18	104	February	331	18	21	81	18	116	77
457	124	18	105	March	333	18	21	82	18	117	78
456	123	18	105	April	333	18	22	82	18	117	77
458	123	18	105	May	335	18	22	82	18	117	78
459	124	18	105	June	335	18	22	82	17	117	78
459	123	18	105	July	336	18	22	82	18	118	78
460	122	17	104	August	338	19	22	82	18	118	80
458	122	17	104	September	336	19	21	82	18	118	78

Dayton-Springfield MSA

**Nonagricultural
Wage and Salary
Employment^a**

Not Seasonally Adjusted

	Employment (in thousands)			Change ^d (in thousands)	
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	From Last Month	From Last Year
Total	462.1	456.7	454.0	5.4	8.1
Goods-Producing Industries^e	124.3	124.3	124.3	.0	-1
Construction	18.9	19.1	18.9	-2	.0
Manufacturing	104.9	104.7	105.0	.2	-1
Durable Goods ^f	74.6	74.7	75.4	-1	-9
Fabricated Metal Products	8.5	8.5	8.7	.0	-2
Industrial Machinery and Equipment	30.3	30.6	31.8	-.3	-1.5
Metalworking Machinery	8.0	8.2	8.5	-.2	-.5
General Industrial Machinery	3.0	3.0	3.0	.0	.0
Electronic and Other Electric Equipment	3.9	3.9	4.1	.0	-.3
Transportation Equipment	23.2	22.8	21.8	.4	1.3
Motor Vehicles and Equipment	20.0	19.7	18.7	.4	1.3
Nondurable Goods ^g	30.3	30.0	29.6	.3	.7
Food and Kindred Products	2.7	2.5	2.8	.1	-.1
Paper and Allied Products	6.2	6.3	6.0	-.1	.3
Printing and Publishing	9.4	9.4	9.1	.0	.3
Rubber and Miscellaneous Plastics Products	7.7	7.5	7.9	.1	-.3
Service-Producing Industries	337.8	332.4	329.7	5.4	8.1
Transportation and Public Utilities	18.8	18.8	17.8	.0	1.0
Transportation	12.4	12.4	11.5	.1	.9
Trucking and Warehousing	6.9	6.8	6.4	.0	.5
Communications, Electric, Gas Services	6.4	6.4	6.3	.0	.1
Communications	3.5	3.5	3.5	.0	.0
Wholesale Trade	21.5	21.5	21.2	.0	.3
Wholesale Trade-Durable Goods	14.9	14.9	14.9	.0	.0
Wholesale Trade-Nondurable Goods	6.6	6.6	6.3	.0	.2
Retail Trade	82.6	82.6	80.6	-.1	2.0
General Merchandise Stores	11.5	11.4	11.5	.2	.0
Finance, Insurance, and Real Estate	17.7	17.8	18.0	-.1	-.3
Finance	9.5	9.5	9.7	.0	-.2
Depository Institutions	7.3	7.2	7.5	.0	-.2
Insurance	4.4	4.4	4.3	.0	.1
Services	119.9	118.1	116.1	1.8	3.8
Business Services	24.3	24.2	22.4	.1	1.8
Personnel Supply Services	7.1	7.1	6.5	.0	.6
Computer and Data Processing Services	5.6	5.6	5.0	.0	.6
Health Services	39.9	39.9	39.0	.0	.9
Nursing and Personal Care Facilities	7.2	7.2	7.2	.0	.0
Hospitals	20.2	20.3	19.9	-.1	.3
Educational Services	8.1	5.3	8.4	2.8	-.3
Social Services	5.9	5.8	6.0	.1	-.1
Engineering and Management Services	10.2	10.3	9.8	-.1	.4
Research and Testing Services	3.4	3.5	3.3	-.1	.2
Government	77.4	73.6	76.0	3.8	1.4
Federal Government	28.2	28.7	29.2	-.5	-1.0
State Government	6.6	6.7	6.5	-.1	.1
State Government Education ^h	3.6	3.7	3.5	.0	.1
Local Government	42.6	38.2	40.3	4.4	2.3
Local Government Education	26.3	21.5	25.4	4.8	.8

Dayton-Springfield MSA

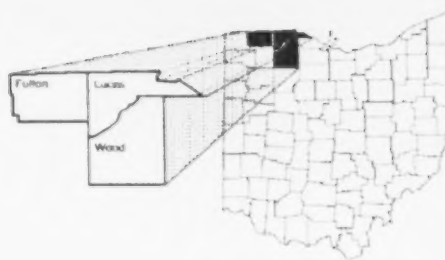
Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c
Manufacturing.....	\$590.04	\$557.19	\$555.54	43.1	41.8	42.8	\$13.69	\$13.33	\$12.98
Durable Goods ^d	617.48	577.30	573.26	43.7	42.2	43.2	14.13	13.68	13.27
Fabricated Metal Products.....	402.62	403.24	418.03	41.0	41.4	42.7	9.82	9.74	9.79
Industrial Machinery and Equipment.....	641.79	612.37	598.92	44.6	43.4	43.4	14.39	14.11	13.80
Metalworking Machinery.....	627.75	618.98	615.13	46.5	46.4	47.1	13.50	13.34	13.06
General Industrial Machinery.....	549.48	508.37	452.58	45.6	42.9	40.7	12.05	11.85	11.12
Electronic and Other Electric Equipment.....	382.32	380.46	368.06	43.2	42.7	42.6	8.85	8.91	8.64
Transportation Equipment.....	778.18	695.55	725.77	44.8	41.6	43.8	17.37	16.72	16.57
Motor Vehicles and Equipment.....	791.14	700.04	732.41	44.9	41.3	43.7	17.62	16.95	16.76
Nondurable Goods ^e	512.94	498.57	504.94	41.5	40.6	41.8	12.36	12.28	12.08
Food and Kindred Products.....	341.04	341.04	349.11	39.2	39.2	40.5	8.70	8.70	8.62
Paper and Allied Products.....	515.00	499.38	491.48	44.9	43.5	44.0	11.47	11.48	11.17
Printing and Publishing.....	464.92	452.78	486.30	39.4	38.6	40.9	11.80	11.73	11.89
Rubber and Miscellaneous Plastics Products.....	655.29	635.48	657.29	40.4	39.3	40.8	16.22	16.17	16.11
Transportation and Public Utilities.....	565.20	559.19	582.13	40.0	39.8	41.7	14.13	14.05	13.96
Communications, Electric, Gas Services.....	578.12	572.80	595.14	40.4	40.0	42.0	14.31	14.32	14.17
Communications.....									
Wholesale Trade.....	395.97	393.82	399.00	39.4	39.5	40.1	10.05	9.97	9.95
Retail Trade ^f	179.84	179.32	170.33	28.5	28.6	28.2	6.31	6.27	6.04
General Merchandise Stores.....	189.84	186.87	176.45	28.0	28.1	27.7	6.78	6.65	6.37
Finance, Insurance, and Real Estate.....	286.12	276.95	266.30						
Finance.....									
Depository Institutions.....									
Services.....	421.95	419.01	394.11	34.7	34.6	34.3	12.16	12.11	11.49
Health Services.....									
Hospitals.....									

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes mining. ^fIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. ^gIncludes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^hIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

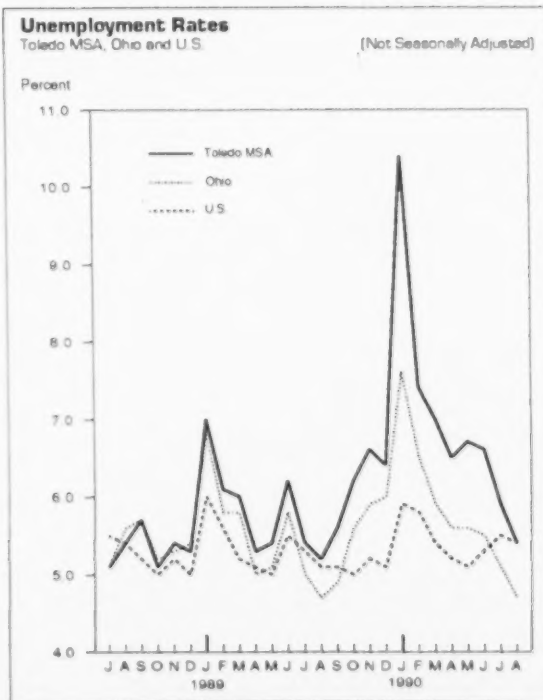
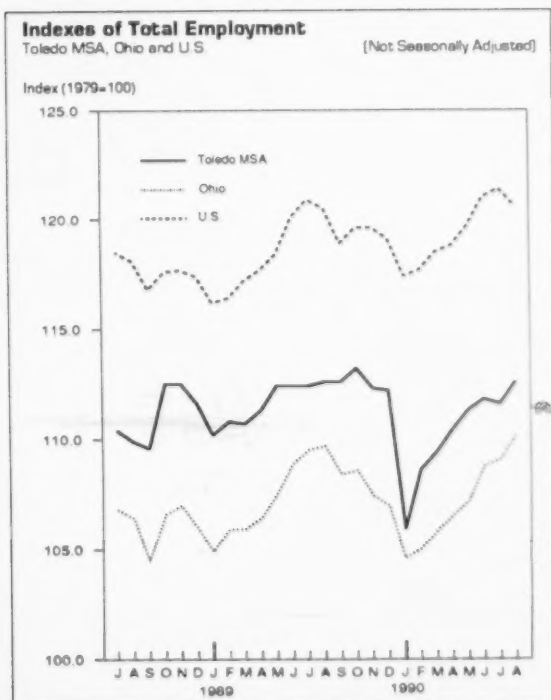
Toledo Metropolitan Statistical Area



Nonagricultural payroll employment in the Toledo metropolitan area totaled 301,400 in September 1990, up 6,700 from the August level. The return of nonteaching personnel in state and local schools and colleges boosted employment in service-producing industries 6,100. The number of jobs in goods-producing industries increased 600 over the month to 74,500. Scattered gains in manufacturing, especially food and kindred products and fabricated metal products, more than offset nominal declines in construction employment. Factory production workers averaged \$13.57 per hour, unchanged from August. Their average workweek of 43.8 hours was 0.7 hours longer.

Nonfarm wage and salary employment advanced 4,800 between September 1989 and September 1990. The improvement was concentrated in the service-producing sector. Primary growth industries were services (+2,300) and retail trade (+1,400). The number of jobs in goods-producing industries was unchanged from the year-ago level. Modest expansion in construction employment nearly offset scattered reductions among manufacturers of nondurable goods and production cutbacks in stone, clay, and glass products and transportation equipment.

Seasonally adjusted employment in the Toledo area, at 298,000 in September 1990, remained at the August level as gains in manufacturing and government offset a decline in retail trade. Since September 1989, total payroll employment advanced 4,000. Leading areas of expansion were services, retail trade, government, and construction.



Toledo MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force			
Total	Employed	Unemployed	
		Total	Rate
INA	INA	INA	INA
INA	INA	INA	INA
INA	INA	INA	INA
INA	INA	INA	INA
289.2	256.1	33.1	11.4
293.5	267.3	26.2	8.9
296.5	272.3	24.3	8.2
307.1	281.2	25.8	8.4
307.6	285.1	22.5	7.3
311.0	292.7	18.2	5.9
317.9	299.0	18.9	5.9
318.6	300.8	17.8	5.6
322.6	302.5	20.0	6.2
321.1	300.0	21.1	6.6
320.3	299.7	20.6	6.4
315.8	283.0	32.8	10.4
313.2	290.2	23.0	7.4
314.3	292.3	22.0	7.0
315.5	295.1	20.4	6.5
318.8	297.5	21.3	6.7
319.9	298.7	21.2	6.6
316.8	298.2	18.6	5.9
318.0	300.8	17.2	5.4
INA	INA	INA	INA

INA - Information not available

Nonagricultural Wage & Salary Employment					
			Manufacturing Employment		
			Manufacturing Production Workers		
			Hours & Earnings		
			Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
1979	268.2	77.4	INA	INA	INA
1980	257.0	66.4	INA	INA	INA
1981	254.2	65.8	INA	INA	INA
1982	244.4	60.2	INA	INA	INA
1983	245.3	59.6	INA	INA	INA
1984	257.0	64.8	45.7	\$502.42	43.2
1985	264.5	65.7	46.2	523.55	42.6
1986	272.0	63.4	44.2	527.03	42.4
1987	278.0	62.2	43.7	540.60	42.5
1988	286.6	62.7	44.9	566.78	43.2
1989	293.7	61.6	44.0	576.81	43.5
1989	296.6	61.3	43.9	565.04	43.1
September	298.1	60.1	42.8	580.32	43.6
October	299.3	60.3	42.9	586.94	43.9
November	300.7	60.4	43.1	565.02	43.0
December	300.7	60.4	43.1	565.02	43.0
1990	281.2	51.1	34.3	522.88	42.1
January	289.9	59.2	42.3	551.34	41.8
February	292.7	59.0	42.3	588.60	43.6
March	297.1	59.9	43.2	581.79	43.0
April	300.1	59.6	42.9	589.37	43.4
May	299.4	60.3	43.3	585.90	43.4
June	295.2	60.0	43.1	576.09	42.8
July	294.8	60.0	43.2	584.87	43.1
August	301.4	60.8	43.9	594.37	43.8
September	301.4	60.8	43.9	594.37	43.8

Toledo MSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
294	72	12	60	1989	221	14	16	59	12	77	43
293	72	12	60	September	221	14	16	59	12	77	43
294	72	12	60	October	222	15	16	59	12	77	44
296	73	12	60	November	223	15	16	59	12	77	44
286	64	12	52	1990	222	15	16	60	12	76	43
295	72	12	60	January	223	15	16	60	12	77	44
296	72	12	59	February	224	15	16	60	12	77	44
297	73	13	60	March	224	15	16	60	12	78	44
298	73	13	60	April	225	15	16	60	12	78	44
299	73	13	60	May	226	15	16	61	12	78	44
298	73	13	60	June	225	14	16	60	12	79	43
298	72	13	59	July	226	14	16	61	12	79	43
298	72	13	60	August	226	14	16	60	12	79	44
298	72	13	60	September	226	14	16	60	12	79	44

Toledo MSA

**Nonagricultural
Wage and Salary
Employment^a**

Not Seasonally Adjusted

	Employment (in thousands)			Change ^d (in thousands)	
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	From Last Month	From Last Year
Total	301.4	294.8	296.6	6.7	4.8
Goods-Producing Industries^e	74.5	73.9	74.5	.6	.0
Construction	13.5	13.6	12.9	-.1	.6
Manufacturing	60.8	60.0	61.3	.8	-.5
Durable Goods ^f	45.0	44.7	45.1	2	-.1
Stone, Clay, and Glass Products	7.7	7.7	8.0	0	-.3
Primary Metal Industries	3.7	3.6	3.4	.0	.2
Fabricated Metal Products	7.2	7.0	7.1	2	.1
Metal Forgings and Stampings	2.5	2.4	2.8	.1	-.3
Industrial Machinery and Equipment	5.8	5.8	5.8	0	0
Transportation Equipment	13.8	13.8	14.1	.0	-.3
Nondurable Goods ^g	15.8	15.3	16.2	5	-.4
Food and Kindred Products	4.2	3.9	4.3	3	-.1
Rubber and Miscellaneous Plastics Products	4.2	4.1	4.3	.1	-.1
Service-Producing Industries	226.9	220.9	222.1	6.1	4.8
Transportation and Public Utilities	14.8	14.7	14.6	.1	.2
Transportation	9.8	9.7	9.6	.1	.2
Communications, Electric, Gas Services	5.0	5.0	5.0	0	0
Wholesale Trade	16.3	16.4	16.0	-.1	.4
Wholesale Trade-Durable Goods	10.9	10.9	10.6	-.1	.3
Wholesale Trade-Nondurable Goods	5.5	5.5	5.4	.0	.1
Retail Trade	60.6	60.8	59.2	-.1	1.4
General Merchandise Stores	8.2	8.1	8.3	.1	-.1
Finance, Insurance, and Real Estate	12.1	12.2	12.1	-.1	.0
Finance	6.3	6.3	6.3	.0	.0
Insurance	3.7	3.7	3.7	.0	.0
Services	79.9	79.6	77.6	.3	2.3
Business Services	14.2	14.2	13.7	.0	.5
Personnel Supply Services	5.5	5.5	5.2	.0	.3
Health Services	27.9	28.0	27.8	.0	.2
Nursing and Personal Care Facilities	4.2	4.2	4.3	.0	-.1
Hospitals	15.1	15.2	15.1	.0	.0
Engineering and Management Services	6.7	6.6	6.1	.0	.6
Government	43.2	37.2	42.7	6.0	.4
Federal Government	2.6	2.7	2.7	.0	.0
State Government	16.1	12.6	15.7	3.4	.3
State Government Education ^h	11.7	8.2	11.5	3.5	.2
Local Government	24.5	21.9	24.3	2.6	.1
Local Government Education	14.3	11.4	14.1	2.9	.2

Toledo MSA

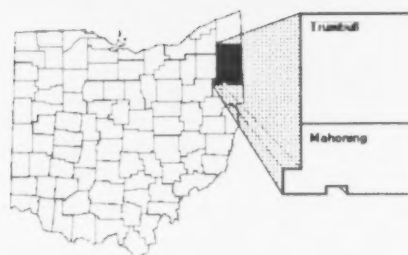
Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c
Manufacturing.....	\$594.37	\$584.87	\$565.04	43.8	43.1	43.1	\$13.57	\$13.57	\$13.11
Durable Goods ^d	605.75	596.67	580.26	43.8	43.3	43.4	13.83	13.78	13.37
Stone, Clay, and Glass Products.....	538.36	538.36	502.90	43.0	43.0	42.8	12.52	12.52	11.75
Primary Metal Industries.....	524.81	503.53	509.08	44.4	43.0	44.5	11.82	11.71	11.44
Fabricated Metal Products.....	535.86	547.93	487.82	45.8	46.2	43.4	11.70	11.86	11.24
Metal Forgings and Stampings.....	705.62	759.01	598.32	43.8	44.7	40.4	16.11	16.98	14.81
Industrial Machinery and Equipment.....	499.03	473.34	499.27	41.9	40.7	42.6	11.91	11.63	11.72
Transportation Equipment.....	780.08	760.19	748.75	43.8	42.9	44.2	17.81	17.72	16.94
Nondurable Goods ^e	558.92	548.69	517.33	43.7	42.6	42.3	12.79	12.88	12.23
Food and Kindred Products.....	648.21	664.76	538.07	46.4	45.5	41.2	13.97	14.61	13.06
Rubber and Miscellaneous Plastics Products.....	394.66	371.69	381.02	42.3	40.8	43.2	9.33	9.11	8.82
Transportation and Public Utilities.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services.....	637.36	629.43	627.29	40.7	40.4	42.1	15.66	15.58	14.90
Wholesale Trade.....	420.09	416.80	411.69	40.2	40.0	39.7	10.45	10.42	10.37
Retail Trade ^f	165.45	166.12	166.65	26.6	27.1	27.5	6.22	6.13	6.06
Finance, Insurance, and Real Estate.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance.....	352.32	352.93	348.43	.....	.....	.....	.....	.....	.....

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes mining. ^fIncludes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. ^gIncludes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^hIncludes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

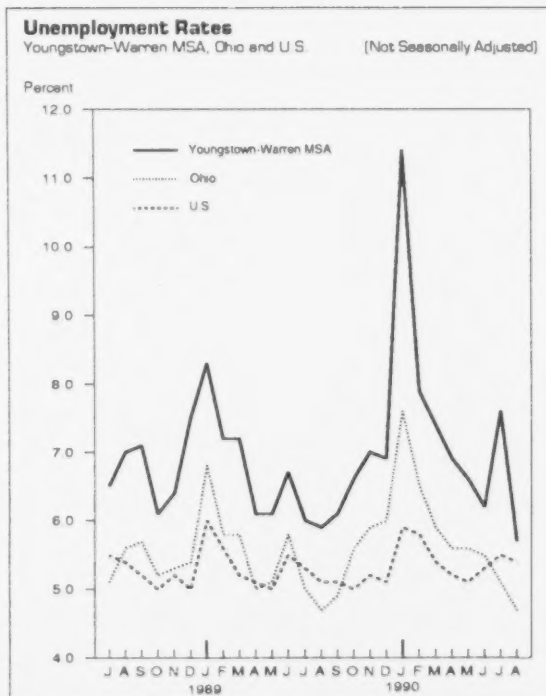
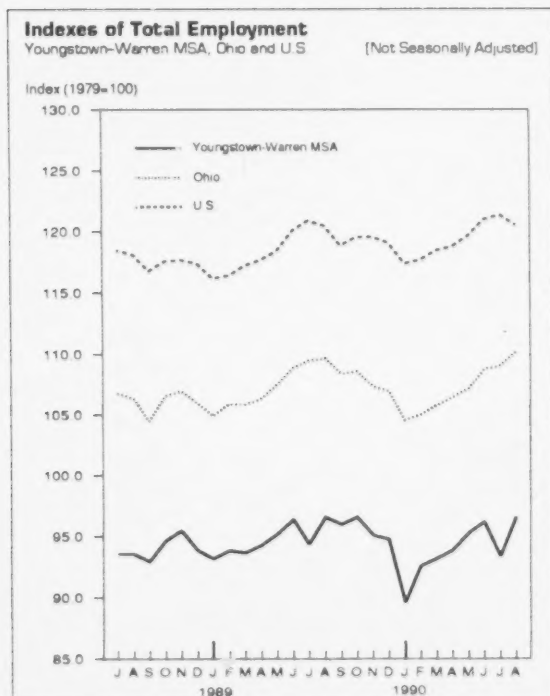
Youngstown-Warren Metropolitan Statistical Area



Nonfarm payroll employment in the Youngstown-Warren metropolitan area increased 2,900 from August to 204,000 in September 1990. The return of nonteaching personnel in local schools and more business in services raised employment in service-producing industries 1,900. The workforce in goods-producing industries, at 59,000, added 1,000 jobs primarily due to increased orders among manufacturers of durable goods, especially in transportation equipment and primary metal industries. Factory production workers averaged \$15.23 per hour, up 71 cents from August. Their average workweek of 44.5 hours was 2.8 hours longer.

Nonagricultural wage and salary employment advanced 3,000 between September 1989 and September 1990. The number of employees in the service-producing sector rose 3,400. Leading areas of expansion were services (+1,200) and retail trade (+1,000). Noteworthy growth also occurred in wholesale trade. Over-the-year reductions in durable-goods manufacturing more than offset modest growth in construction, lowering employment in goods-producing industries 400. Declines were posted in transportation equipment, fabricated metal products, and industrial machinery and equipment.

Seasonally adjusted employment in the Youngstown-Warren area totaled 202,000 in September 1990, unchanged from August. Since September 1989, total payroll employment advanced 3,000. Growth in wholesale trade, retail trade, services, and government outweighed a slight decline in manufacturing.



Youngstown-Warren MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
							Manufacturing Employment			
							Manufacturing Production Workers			
										Hours & Earnings
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	\$377.29	40.7	\$9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
225.0	211.2	13.8	6.1	September	201.0	50.2	38.1	618.88	43.4	14.26
227.5	212.5	15.0	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.3	197.0	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
221.0	203.7	17.4	7.9	February	196.2	49.2	36.9	591.63	41.9	14.12
221.3	205.0	16.3	7.4	March	198.2	49.3	37.0	596.24	41.9	14.23
221.7	206.5	15.2	6.9	April	200.8	49.3	37.1	602.45	42.1	14.31
224.2	209.5	14.7	6.6	May	204.4	49.8	37.5	628.72	43.3	14.52
225.7	211.6	14.1	6.2	June	205.0	50.1	37.8	636.08	43.3	14.69
222.3	205.3	17.0	7.6	July	196.4	43.6	31.2	604.56	42.1	14.36
225.3	212.5	12.8	5.7	August	201.1	48.4	36.0	605.48	41.7	14.52
INA	INA	INA	INA	September	204.0	49.3	37.1	677.74	44.5	15.23

INA - Information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
199	58	8	50	September	141	8	11	42	9	47	24
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	25
201	58	8	50	February	143	8	12	43	9	47	24
201	58	8	49	March	143	8	12	43	9	48	24
201	58	8	49	April	144	8	12	43	9	48	24
202	58	8	50	May	144	8	12	43	9	48	25
202	58	8	50	June	144	8	12	43	9	48	24
197	53	8	45	July	144	8	12	43	9	48	25
202	57	8	49	August	145	8	12	44	9	48	25
202	57	8	49	September	144	8	12	43	9	48	25

Youngstown-Warren MSA

**Nonagricultural
Wage and Salary
Employment^a**

Not Seasonally Adjusted

	Employment (in thousands)			Change ^d (in thousands)	
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^e	From Last Month	From Last Year
Total	204.0	201.1	201.0	2.9	3.0
Goods-Producing Industries^g	59.0	57.9	59.4	1.0	-4
Construction	9.1	9.0	8.7	.1	4
Manufacturing	49.3	48.4	50.2	1.0	-9
Durable Goods ^f	44.1	43.0	45.0	1.1	-9
Primary Metal Industries	18.7	18.1	18.7	.6	.1
Blast Furnace and Basic Steel Products	6.0	6.0	6.0	.0	.1
Fabricated Metal Products	7.4	7.4	7.5	.0	-.1
Metal Forgings and Stampings	3.9	3.9	3.9	.0	.0
Industrial Machinery and Equipment	4.2	4.3	4.3	-.1	-.1
Transportation Equipment	8.9	8.3	9.2	.7	-2
Nondurable Goods ^g	5.2	5.4	5.2	-.1	.0
Service-Producing Industries	145.1	143.1	141.7	1.9	3.4
Transportation and Public Utilities	8.1	8.0	7.9	.1	2
Wholesale Trade	11.8	12.0	11.0	-.2	8
Wholesale Trade-Durable Goods	7.2	7.4	7.0	-.1	2
Wholesale Trade-Nondurable Goods	4.6	4.6	4.0	.0	5
Retail Trade	43.7	44.0	42.7	-.3	1.0
General Merchandise Stores	5.2	5.2	5.3	.0	-.2
Finance, Insurance, and Real Estate	8.7	8.8	8.7	-.1	.0
Finance	4.7	4.8	4.7	-.1	.0
Services	49.2	48.4	48.1	.8	1.2
Health Services	21.5	21.4	21.3	.0	2
Nursing and Personal Care Facilities	4.9	4.9	4.8	-.1	.1
Hospitals	10.8	10.8	10.9	.0	-.1
Government	23.5	22.0	23.3	1.5	2
State Government	3.3	3.4	3.4	-.1	.0
State Government Education ^h	1.8	1.8	1.8	.0	.0
Local Government	18.3	16.6	17.9	1.7	.4
Local Government Education	11.5	9.8	11.4	1.8	2

Youngstown-Warren MSA

**Hours and Earnings
of Production or
Nonsupervisory Workers^a**

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c
Manufacturing.....	\$677.74	\$605.48	\$618.88	44.5	41.7	43.4	\$15.23	\$14.52	\$14.26
Durable Goods ^d	697.77	621.98	638.89	44.7	41.8	43.7	15.61	14.88	14.62
Primary Metal Industries.....	735.62	685.95	698.17	44.8	42.5	43.8	16.42	16.14	15.94
Blast Furnace and Basic Steel Products.....	716.38	667.34	632.04	48.8	46.7	45.8	14.68	14.29	13.80
Fabricated Metal Products.....	687.96	589.11	622.43	45.5	41.9	45.4	15.12	14.06	13.71
Metal Forgings and Stampings.....	883.87	826.21	741.13	49.6	42.4	46.7	17.82	16.42	15.87
Industrial Machinery and Equipment.....	532.04	507.58	513.89	42.7	41.2	42.4	12.46	12.32	12.12
Transportation Equipment.....	826.46	678.40	697.48	47.8	42.4	44.2	17.29	16.00	15.78
Nondurable Goods ^e	465.13	440.23	417.77	42.4	40.8	40.6	10.97	10.79	10.29
Wholesale Trade.....	379.17	378.33	386.31	38.3	38.1	39.1	9.90	9.93	9.88
Retail Trade ^f	179.79	181.61	184.52	27.2	27.6	28.3	6.61	6.58	6.52
Finance, Insurance, and Real Estate.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance.....	230.07	231.02	223.28	.....	.....	.....	.....	.....	.....

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes mining. ^fIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. ^gIncludes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. ^hIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton-Middletown PMSA

In the Hamilton-Middletown metropolitan area, total nonfarm wage and salary employment totaled 97,700 in September 1990, up 3,400 from August. The return of nonteaching personnel in state schools and colleges and a slight increase in retail trade raised employment in service-producing industries 3,300. Nominal growth in construction and mining increased employment in goods-producing industries 100 to 28,000. Manufacturing production workers averaged \$14.21 per hour, up 18 cents from August. Their average workweek was 0.4 hours longer at 45.8 hours. Nonagricultural payroll employment advanced 1,700 between September 1989 and September 1990. Service-producing industries added 2,000 employees primarily due to growth in services, retail trade, and state government. Declines in manufacturing lowered employment in goods-producing industries 200. Scattered decreases among producers of durable goods and reductions in paper and allied products outweighed growth in construction and mining.

Lima MSA

Nonagricultural payroll employment in the Lima metropolitan area totaled 75,400 in September 1990, up 100 from the August level. The return of nonteaching personnel in local schools raised employment in service-producing industries 100. Employment in goods-producing industries was unchanged over the month at 26,700. Scattered gains in manufacturing were offset by declines in construction and mining. Increased production in nondurable-goods manufacturing and transportation equipment negated a decline in industrial machinery and equipment. Factory production workers averaged \$13.30 per hour, up 12 cents from August. Their average workweek was 0.8 hours longer at 42.7 hours. Nonfarm wage and salary employment advanced 2,000 between September 1989 and September 1990. The growth was concentrated in the service-producing sector. Leading growth industries were services, especially health services, and retail trade. Gains were also posted in local government and transportation and public utilities. Employment in goods-producing industries decreased 400 over the year. Reduced production among manufacturers of durable goods, particularly transportation equipment, outweighed gains in construction and mining.

Lorain-Elyria PMSA

Nonfarm wage and salary employment in the Lorain-Elyria metropolitan area fell 2,100 from the August level to 91,600 in September 1990. Reduced production in transportation equipment due to fewer orders lowered employment in goods-producing industries 3,000 to 30,300. The return of nonteaching personnel in local schools raised employment in the service-producing sector 900. Manufacturing production workers averaged \$12.98 per hour, down 53 cents from August. Their average workweek of 42.7 hours was 0.2 hours shorter. Nonagricultural payroll employment advanced 1,500 between September 1989 and September 1990. Growth was concentrated in service-producing industries. Gains were posted in retail trade, local government, transportation and public utilities, and services, especially health services. Employment in goods-producing industries declined 600 over the year. Reductions in durable-goods manufacturing, primarily transportation equipment and fabricated metal products, outweighed increases in nondurable goods and construction and mining.

Mansfield MSA

Nonagricultural payroll employment in the Mansfield metropolitan area totaled 59,900 in September 1990, up 100 from August. Improvements in services raised employment in service-producing industries 300. Scattered declines in durable-goods manufacturing and less business in construction and mining lowered employment in the goods-producing sector 300 to 20,200. A reduction in electronic and other electric equipment negated a gain in fabricated metal products. Manufacturing production workers averaged \$14.00 per hour, up 52 cents from August. Their average workweek was 1.2 hours longer at 42.6 hours. Nonfarm wage and salary employment dropped 1,100 between September 1989 and September 1990. Employment in the goods-producing sector fell 1,300. Over-the-year production cutbacks in durable-goods manufacturing, especially electronic and other electric equipment and fabricated metal products, negated modest gains in construction and mining. Expansion in retail trade outweighed decreases in local government to raise employment in service-producing industries 200.

Steubenville-Weirton MSA

In the Steubenville-Weirton metropolitan area, total nonfarm payroll employment rose 400 above the August level to 53,600 in September 1990. Seasonal gains in services and local schools increased employment in service-producing industries 300. Employment in the goods-producing sector was unchanged at 20,700. Scattered declines among manufacturers of durable goods outweighed slight growth in construction. Factory production workers averaged \$11.72 per hour, up 7 cents from August. Their average workweek of 44.3 hours was 0.2 hours longer. Nonagricultural wage and salary employment advanced 1,700 between September 1989 and September 1990. The service-producing sector contributed 94.1 percent of the increase. Notable gains were posted in services, local government, and retail trade. Goods-producing industries added 100 jobs over the year. Expansion in construction outweighed reductions in manufacturing, particularly primary metal industries.

Civilian Labor Force Estimates^a

Not Seasonally Adjusted

Civilian Labor Force	131.3	130.1	131.7	1.1	-5
Employment	124.8	123.3	125.3	1.5	-5
Unemployment	6.4	6.8	6.4	-.4	.1
Unemployment Rate	4.9	5.2	4.8		

Hamilton-Middletown PMSA

Estimates (in thousands)			Change ^d (in thousands)	
Aug. 1990 ^b	Jul. 1990 ^c	Aug. 1989 ^c	From Last Month	From Last Year
131.3	130.1	131.7	1.1	-5
124.8	123.3	125.3	1.5	-5
6.4	6.8	6.4	-.4	.1
4.9	5.2	4.8		

Nonagricultural Wage and Salary Employment^a

Not Seasonally Adjusted

Total	97.7	94.3	96.0	3.4	1.7
Goods-Producing Industries	28.0	27.9	28.2	.1	-.2
Construction and Mining	6.5	6.4	5.7	.1	.8
Manufacturing	21.4	21.4	22.5	.0	-1.1
Durable Goods	14.8	14.8	15.6	.0	-.8
Primary Metal Industries	6.9	6.8	7.0	.1	-.1
Fabricated Metal Products	2.4	2.5	2.5	-.1	-.1
Industrial Machinery and Equipment	2.4	2.4	2.4	.0	.0
Nondurable Goods	6.6	6.6	6.9	.0	-.3
Paper and Allied Products	4.7	4.7	5.0	.0	-.3
Paper Mills	3.4	3.4	3.7	.0	-.3
Service-Producing Industries	69.8	66.5	67.8	3.3	2.0
Transportation and Public Utilities	3.6	3.5	3.4	.0	.1
Wholesale Trade	5.7	5.8	5.6	.0	.1
Wholesale Trade-Durable Goods	3.9	3.9	3.8	.0	.1
Retail Trade	18.2	18.1	17.6	.2	.6
Food Stores	3.0	3.0	3.1	.0	-.1
Finance, Insurance, and Real Estate	4.6	4.6	4.8	-.1	-.2
Services	20.1	20.1	19.3	.0	.8
Health Services	8.6	8.6	8.1	.0	.5
Government	17.5	14.4	17.1	3.2	.5
State Government (Includes Education)	7.1	4.0	6.7	3.1	.4
Local Government	9.8	9.7	9.8	.0	.0
Local Government Education	6.3	6.2	6.2	.1	.1

Hamilton-Middletown PMSA

Estimates (in thousands)			Change ^d (in thousands)	
Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	From Last Month	From Last Year
97.7	94.3	96.0	3.4	1.7
28.0	27.9	28.2	.1	-.2
6.5	6.4	5.7	.1	.8
21.4	21.4	22.5	.0	-1.1
14.8	14.8	15.6	.0	-.8
6.9	6.8	7.0	.1	-.1
2.4	2.5	2.5	-.1	-.1
2.4	2.4	2.4	.0	.0
6.6	6.6	6.9	.0	-.3
4.7	4.7	5.0	.0	-.3
3.4	3.4	3.7	.0	-.3
69.8	66.5	67.8	3.3	2.0
3.6	3.5	3.4	.0	.1
5.7	5.8	5.6	.0	.1
3.9	3.9	3.8	.0	.1
18.2	18.1	17.6	.2	.6
3.0	3.0	3.1	.0	-.1
4.6	4.6	4.8	-.1	-.2
20.1	20.1	19.3	.0	.8
8.6	8.6	8.1	.0	.5
17.5	14.4	17.1	3.2	.5
7.1	4.0	6.7	3.1	.4
9.8	9.7	9.8	.0	.0
6.3	6.2	6.2	.1	.1

Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

Manufacturing	\$650.82	\$636.96	\$599.83	45.8	45.4	45.1	\$14.21	\$14.03	\$13.30
Durable Goods	678.76	657.10	599.87	46.3	45.6	44.6	14.66	14.41	13.45
Primary Metal Industries	779.40	775.66	666.13	48.5	48.6	45.1	16.07	15.96	14.77
Fabricated Metal Products	553.82	487.58	496.78	43.2	39.9	42.1	12.82	12.22	11.80
Industrial Machinery and Equipment	624.78	604.97	629.53	46.8	46.5	48.5	13.35	13.01	12.98
Nondurable Goods	582.44	583.34	599.12	44.7	44.7	46.3	13.03	13.05	12.94
Paper and Allied Products	619.78	607.26	633.24	46.6	45.9	47.9	13.30	13.23	13.22
Paper Mills	602.11	598.53	655.72	44.9	44.7	48.5	13.41	13.39	13.52
Wholesale Trade	453.48	439.32	434.70	42.5	42.0	42.0	10.67	10.46	10.35
Retail Trade ¹	179.27	177.56	164.12	28.5	28.5	28.2	6.29	6.23	5.82

Hamilton-Middletown PMSA

Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c
\$650.82	\$636.96	\$599.83	45.8	45.4	45.1	\$14.21	\$14.03	\$13.30
678.76	657.10	599.87	46.3	45.6	44.6	14.66	14.41	13.45
779.40	775.66	666.13	48.5	48.6	45.1	16.07	15.96	14.77
553.82	487.58	496.78	43.2	39.9	42.1	12.82	12.22	11.80
624.78	604.97	629.53	46.8	46.5	48.5	13.35	13.01	12.98
582.44	583.34	599.12	44.7	44.7	46.3	13.03	13.05	12.94
619.78	607.26	633.24	46.6	45.9	47.9	13.30	13.23	13.22
602.11	598.53	655.72	44.9	44.7	48.5	13.41	13.39	13.52
453.48	439.32	434.70	42.5	42.0	42.0	10.67	10.46	10.35
179.27	177.56	164.12	28.5	28.5	28.2	6.29	6.23	5.82

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ¹Money payments only; tips not included.

¹Depressed due to labor-management disputes.

Lima MSA

Civilian Labor Force Estimates^a

Not Seasonally Adjusted

	Estimates (in thousands)			Change ^d (in thousands)	
	Aug. 1990 ^b	Jul. 1990 ^c	Aug. 1989 ^c	From Last Month	From Last Year
Civilian Labor Force.....	80.5	80.5	80.1	.1	.4
Employment.....	76.3	75.9	75.9	.3	.4
Unemployment.....	4.3	4.5	4.2	-.3	.1
Unemployment Rate.....	5.3	5.7	5.3		

Lima MSA

**Nonagricultural
Wage and Salary
Employment^a**

Not Seasonally Adjusted

	Estimates (in thousands)			Change ^d (in thousands)	
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	From Last Month	From Last Year
Total.....	75.4	75.3	73.4	.1	2.0
Goods-Producing Industries.....	26.7	26.8	27.2	.0	-.4
Construction and Mining.....	3.8	3.9	3.5	-.1	.3
Manufacturing.....	23.0	22.9	23.7	.1	-.7
Durable Goods.....	16.5	16.5	17.4	.0	-.9
Fabricated Metal Products.....	2.9	2.8	2.8	.0	.0
Industrial Machinery and Equipment.....	3.9	4.1	4.0	-.2	-.1
Transportation Equipment.....	7.1	6.9	7.7	.2	-.6
Motor Vehicles and Equipment.....	3.4	3.3	3.7	.2	-.2
Nondurable Goods.....	6.5	6.4	6.3	.2	.2
Food and Kindred Products.....	2.0	2.0	1.9	.0	.1
Rubber and Miscellaneous Plastics Products.....	2.2	2.1	2.1	.1	.1
Service-Producing Industries.....	48.7	48.6	46.3	.1	2.4
Transportation and Public Utilities.....	3.3	3.4	3.1	.0	.2
Wholesale Trade.....	3.5	3.5	3.5	.0	.0
Retail Trade.....	15.1	15.1	14.2	.0	.9
General Merchandise Stores.....	2.2	2.2	2.0	.0	.2
Finance, Insurance, and Real Estate.....	2.1	2.1	2.1	.0	.0
Services.....	15.2	15.2	14.2	.0	1.0
Health Services.....	6.7	6.7	6.1	.0	.6
Hospitals.....	3.2	3.2	2.9	.0	.3
Government.....	9.5	9.2	9.2	.2	.3
Local Government.....	7.1	6.8	6.9	.3	.3
Local Government Education.....	4.3	3.8	4.1	.5	.2

Lima MSA

**Hours and Earnings
of Production or
Nonsupervisory Workers^a**

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c
Manufacturing.....	\$567.91	\$552.24	\$560.68	42.7	41.9	42.8	\$13.30	\$13.18	\$13.10
Durable Goods.....	559.15	547.46	554.20	42.2	41.6	42.5	13.25	13.16	13.04
Fabricated Metal Products.....	390.82	373.50	376.47	42.9	41.5	42.3	9.11	9.00	8.90
Industrial Machinery and Equipment.....	466.09	441.16	471.47	40.6	38.8	40.4	11.48	11.37	11.67
Transportation Equipment.....	714.45	716.68	682.11	43.3	43.7	42.9	16.50	16.40	15.90
Motor Vehicles and Equipment.....	815.24	822.96	752.28	45.8	46.6	44.2	17.80	17.66	17.02
Nondurable Goods.....	589.58	565.35	579.44	43.9	42.7	43.6	13.43	13.24	13.29
Food and Kindred Products.....	413.91	375.65	360.12	43.8	41.1	40.6	9.45	9.14	8.87
Rubber and Miscellaneous Plastics Products.....	668.82	648.10	594.17	47.2	47.1	45.6	14.17	13.76	13.03
Wholesale Trade.....	367.25	368.17	381.61	37.9	37.8	38.9	9.69	9.74	9.81
Retail Trade ¹	186.92	186.60	184.50	30.1	30.0	30.0	6.21	6.22	6.15
General Merchandise Stores.....	178.92	176.68	161.67	28.4	28.0	26.9	6.30	6.31	6.01

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ¹Money payments only; tips not included.
¹Depressed due to labor-management disputes.

Civilian Labor Force Estimates^a

Not Seasonally Adjusted

Civilian Labor Force	122.3	118.9	120.5	3.4	1.8
Employment	111.5	111.9	113.8	-4	-2.2
Unemployment	10.8	7.0	6.7	3.8	4.1
Unemployment Rate	8.8	5.9	5.6		

Lorain-Elyria PMSA

Estimates (in thousands)			Change ^d (in thousands)	
Aug. 1990 ^b	Jul. 1990 ^c	Aug. 1989 ^c	From Last Month	From Last Year
122.3	118.9	120.5	3.4	1.8
111.5	111.9	113.8	-4	-2.2
10.8	7.0	6.7	3.8	4.1
8.8	5.9	5.6		

Nonagricultural Wage and Salary Employment^a

Not Seasonally Adjusted

Total	91.6	93.8	90.1	-2.1	1.5
Goods-Producing Industries	30.3	33.3	30.9	-3.0	-6
Construction and Mining	4.7	4.8	4.5	-1	.2
Manufacturing	25.6	28.6	26.5	-3.0	-9
Durable Goods	20.7	23.8	21.8	-3.1	-1.1
Primary Metal Industries	4.3	4.3	4.4	0	-1
Fabricated Metal Products	4.1	4.2	4.3	-1	-2
Transportation Equipment	5.0	8.0	5.5	-2.9	-4
Nondurable Goods	4.9	4.8	4.7	.1	.2
Service-Producing Industries	61.3	60.4	59.2	.9	2.2
Transportation and Public Utilities	3.6	3.6	3.3	0	.3
Wholesale Trade	2.4	2.5	2.4	-1	.0
Retail Trade	17.7	17.7	16.8	.0	.9
Finance, Insurance, and Real Estate	3.3	3.3	3.2	.0	.1
Services	21.0	21.0	20.7	.0	.3
Health Services	8.8	8.8	8.4	.0	.4
Hospitals	4.2	4.3	4.0	-1	.2
Government	13.3	12.4	12.7	.9	.6
Local Government	11.2	10.2	10.7	1.0	.5
Local Government Education	7.3	6.2	6.9	1.1	.4

Lorain-Elyria PMSA

Estimates (in thousands)			Change ^d (in thousands)	
Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	From Last Month	From Last Year
91.6	93.8	90.1	-2.1	1.5
30.3	33.3	30.9	-3.0	-6
4.7	4.8	4.5	-1	.2
25.6	28.6	26.5	-3.0	-9
20.7	23.8	21.8	-3.1	-1.1
4.3	4.3	4.4	0	-1
4.1	4.2	4.3	-1	-2
5.0	8.0	5.5	-2.9	-4
4.9	4.8	4.7	.1	.2
61.3	60.4	59.2	.9	2.2
3.6	3.6	3.3	0	.3
2.4	2.5	2.4	-1	.0
17.7	17.7	16.8	.0	.9
3.3	3.3	3.2	.0	.1
21.0	21.0	20.7	.0	.3
8.8	8.8	8.4	.0	.4
4.2	4.3	4.0	-1	.2
13.3	12.4	12.7	.9	.6
11.2	10.2	10.7	1.0	.5
7.3	6.2	6.9	1.1	.4

Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

Manufacturing	\$554.25	\$579.58	\$534.25	42.7	42.9	42.2	\$12.98	\$13.51	\$12.66
Durable Goods	588.94	612.05	557.60	43.4	43.5	42.5	13.57	14.07	13.12
Primary Metal Industries	643.23	640.01	599.06	44.7	44.6	43.6	14.39	14.35	13.74
Fabricated Metal Products	429.14	422.44	457.24	43.0	42.8	46.0	9.98	9.87	9.94
Transportation Equipment	712.32	733.85	658.13	42.4	43.5	40.5	16.80	16.87	16.25
Nondurable Goods	394.61	394.79	407.41	39.5	39.4	40.7	9.99	10.02	10.01
Wholesale Trade	365.19	365.74	366.52	38.2	37.9	38.5	9.56	9.65	9.52
Retail Trade ^f	163.06	169.73	164.21	26.3	27.2	26.4	6.20	6.24	6.22

Lorain-Elyria PMSA

Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c
\$554.25	\$579.58	\$534.25	42.7	42.9	42.2	\$12.98	\$13.51	\$12.66
588.94	612.05	557.60	43.4	43.5	42.5	13.57	14.07	13.12
643.23	640.01	599.06	44.7	44.6	43.6	14.39	14.35	13.74
429.14	422.44	457.24	43.0	42.8	46.0	9.98	9.87	9.94
712.32	733.85	658.13	42.4	43.5	40.5	16.80	16.87	16.25
394.61	394.79	407.41	39.5	39.4	40.7	9.99	10.02	10.01
365.19	365.74	366.52	38.2	37.9	38.5	9.56	9.65	9.52
163.06	169.73	164.21	26.3	27.2	26.4	6.20	6.24	6.22

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eMoney payments only; tips not included. ^fDepressed due to labor-management disputes.

Mansfield MSA

Civilian Labor Force Estimates^a

Not Seasonally Adjusted

Civilian Labor Force	65.7	65.0	66.8	.8	-1.1
Employment	61.2	61.0	62.4	.2	-1.1
Unemployment	4.5	4.0	4.5	.5	.0
Unemployment Rate	6.8	6.1	6.7		

Estimates (in thousands)			Change ^d (in thousands)	
Aug. 1990 ^b	Jul. 1990 ^c	Aug. 1989 ^c	From Last Month	From Last Year
65.7	65.0	66.8	.8	-1.1
61.2	61.0	62.4	.2	-1.1
4.5	4.0	4.5	.5	.0
6.8	6.1	6.7		

Mansfield MSA

**Nonagricultural
Wage and Salary
Employment^a**

Not Seasonally Adjusted

Total	59.9	59.8	61.0	.1	-1.1
Goods-Producing Industries	20.2	20.4	21.5	-.3	-1.3
Construction and Mining	2.4	2.5	2.2	-.1	.2
Manufacturing	17.8	17.9	19.3	-.2	-1.5
Durable Goods	15.7	15.9	17.2	-.2	-1.6
Fabricated Metal Products	5.4	5.1	5.6	.3	-.2
Electronic and Other Electric Equipment	2.9	3.0	3.6	-.2	-.7
Nondurable Goods	2.1	2.1	2.0	.0	.1
Service-Producing Industries	39.7	39.4	39.5	.3	.2
Transportation and Public Utilities	3.0	3.0	3.1	.0	-.1
Wholesale Trade	2.2	2.2	2.2	.0	-.1
Retail Trade	12.5	12.5	11.8	.0	.7
Finance, Insurance, and Real Estate	2.4	2.4	2.5	-.1	-.1
Services	12.8	12.5	12.7	.3	.1
Health Services	4.4	4.5	4.4	.0	.0
Government	6.9	6.8	7.2	.1	-.3
Local Government	5.2	5.1	5.5	.1	-.3
Local Government Education	3.7	3.4	3.7	.2	-.1

Estimates (in thousands)			Change ^d (in thousands)	
Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	From Last Month	From Last Year
59.9	59.8	61.0	.1	-1.1
20.2	20.4	21.5	-.3	-1.3
2.4	2.5	2.2	-.1	.2
17.8	17.9	19.3	-.2	-1.5
15.7	15.9	17.2	-.2	-1.6
5.4	5.1	5.6	.3	-.2
2.9	3.0	3.6	-.2	-.7
2.1	2.1	2.0	.0	.1
39.7	39.4	39.5	.3	.2
3.0	3.0	3.1	.0	-.1
2.2	2.2	2.2	.0	-.1
12.5	12.5	11.8	.0	.7
2.4	2.4	2.5	-.1	-.1
12.8	12.5	12.7	.3	.1
4.4	4.5	4.4	.0	.0
6.9	6.8	7.2	.1	-.3
5.2	5.1	5.5	.1	-.3
3.7	3.4	3.7	.2	-.1

Mansfield MSA

**Hours and Earnings
of Production or
Nonsupervisory Workers^a**

Not Seasonally Adjusted

Manufacturing	\$596.40	\$558.07	\$573.52	42.6	41.4	42.8	\$14.00	\$13.48	\$13.40
Durable Goods	619.65	575.23	602.43	42.5	41.0	43.0	14.58	14.03	14.01
Fabricated Metal Products	757.66	697.59	868.22	43.0	40.3	47.6	17.62	17.31	18.24
Electronic and Other Electric Equipment	451.88	452.64	431.75	40.6	41.0	40.2	11.13	11.04	10.74
Nondurable Goods	403.79	410.32	326.19	43.7	44.6	41.5	9.24	9.20	7.86
Wholesale Trade	325.84	340.94	331.20	39.4	40.3	40.0	8.27	8.46	8.28
Retail Trade ^f	170.27	168.75	156.83	27.2	27.0	26.9	6.26	6.25	5.83

Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c
\$596.40	\$558.07	\$573.52	42.6	41.4	42.8	\$14.00	\$13.48	\$13.40
619.65	575.23	602.43	42.5	41.0	43.0	14.58	14.03	14.01
757.66	697.59	868.22	43.0	40.3	47.6	17.62	17.31	18.24
451.88	452.64	431.75	40.6	41.0	40.2	11.13	11.04	10.74
403.79	410.32	326.19	43.7	44.6	41.5	9.24	9.20	7.86
325.84	340.94	331.20	39.4	40.3	40.0	8.27	8.46	8.28
170.27	168.75	156.83	27.2	27.0	26.9	6.26	6.25	5.83

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eMoney payments only; tips not included. ^fDepressed due to labor-management disputes.

Civilian Labor Force Estimates^a

Not Seasonally Adjusted

Civilian Labor Force	57.6	57.5	56.9	.1	.8
Employment	54.3	54.3	53.6	.0	.7
Unemployment	3.3	3.2	3.2	.1	.1
Unemployment Rate	5.7	5.6	5.7		

Steubenville-Weirton MSA

Estimates (in thousands)			Change ^d (in thousands)	
Aug. 1990 ^b	Jul. 1990 ^c	Aug. 1989 ^c	From Last Month	From Last Year

Nonagricultural Wage and Salary Employment^a

Not Seasonally Adjusted

Total	53.6	53.2	51.9	.4	1.7
Goods-Producing Industries	20.7	20.7	20.6	.0	.1
Mining	1.0	1.0	1.0	.0	.0
Construction	2.2	2.1	1.8	.1	.4
Manufacturing	17.5	17.6	17.8	-.1	-.3
Durable Goods	15.9	15.9	16.2	-.1	-.4
Primary Metal Industries	12.7	12.7	13.0	.0	-.3
Nondurable Goods	1.6	1.6	1.6	.0	.1
Service-Producing Industries	32.9	32.6	31.3	.3	1.6
Transportation and Public Utilities	3.4	3.4	3.3	.0	.1
Wholesale Trade	1.3	1.4	1.3	.0	.0
Retail Trade	9.6	9.6	9.2	.0	.4
General Merchandise Stores	1.8	1.8	1.7	.0	.1
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	10.9	10.6	10.3	.3	.6
Health Services	4.8	4.7	4.6	.1	.2
Hospitals	2.5	2.5	2.4	.1	.1
Government	6.0	5.9	5.6	.1	.5
Local Government	5.1	5.0	4.7	.1	.4
Local Government Education	3.1	2.9	2.9	.2	.2

Steubenville-Weirton MSA

Estimates (in thousands)			Change ^d (in thousands)	
Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	From Last Month	From Last Year

Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

Manufacturing	\$519.20	\$513.77	\$532.17	44.3	44.1	44.2	\$11.72	\$11.65	\$12.04
Durable Goods	546.47	540.00	562.70	45.2	45.0	45.6	12.09	12.00	12.34
Primary Metal Industries	581.53	573.16	593.81	46.3	46.0	46.5	12.56	12.46	12.77
Nondurable Goods	215.06	211.25	161.07	34.3	33.8	26.8	6.27	6.25	6.01
Wholesale Trade	327.93	334.31	327.93	38.9	39.1	38.9	8.43	8.55	8.43
Retail Trade ^f	165.77	167.96	160.13	27.4	27.9	27.8	6.05	6.02	5.76

Steubenville-Weirton MSA

Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eMoney payments only; tips not included. ^fDepressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods-Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service-Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio			
	September 1990	August 1990	September 1989
New Applicants	27,833	35,485	32,204
Applicants Active This Program Year ...	303,606	269,921	364,764
Counseling Interviews	580	822	740
Tests Administered	1,183	2,364	1,314
General Aptitude Tests	188	323	122
Proficiency Tests	282	352	315
Specific Aptitude Tests	0	0	133
Referrals to Jobs	21,396	25,126	25,216
Placements	5,092	6,645	5,770
Job Openings Received	INA	INA	11,497
Job Openings Unfilled	21,630	20,772	22,687

INA - Information not available

Selected Unemployment Insurance Activities

Ohio			
	September 1990	August 1990	September 1989
Initial Claims	47,849	53,806	44,673
Continued Claims	285,072	357,902	267,086
First Payments	16,604	20,544	17,999
Last Payments	5,436	6,732	4,555
Average Weekly Claimants	71,645	80,780	65,735
Average Weekly Benefit Recipients	61,382	68,993	53,978
Weeks Compensated	243,630	330,942	226,751
Benefits Paid	\$39,479,652	\$55,074,257	\$34,922,857
Average Weekly Payment	\$166.02	\$170.08	\$161.09
Continued Claims for Survey Week	70,228	77,517	65,334
Insured Unemployment Rate	1.6	1.8	1.5
Net Contributions	\$5,371,690	\$138,938,763	\$4,421,902
Active Employer Accounts	207,760	207,219	204,610

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Ohio Labor Market Information

Labor Market Review

October 1990

Summary. The seasonally adjusted unemployment rate in Ohio jumped from 5.2 percent in September to 5.9 percent in October 1990. The U.S. rate of 5.7 percent was unchanged from September. Total employment in Ohio fell 21,000 over the month to 5,145,000 in October. There were 325,000 jobless Ohioans in October, up 41,000 from September. Advances in services helped to raise nonagricultural wage and salary employment (seasonally adjusted) 9,000 from September to 4,945,000 in October. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries was up 1,000 from September to 1,336,000 in October. Gains in transportation equipment and food and kindred products were partially offset by losses among general building contractors, special trades contractors, and primary metal industries. Durable-goods employment rose 2,000 to 744,000, while nondurable-goods employment increased 1,000 to 376,000. Employment in construction, at 197,000, declined 2,000. Mining employment was unchanged at 18,000.

Service-Producing Industries. There were 3,609,000 people employed in service-producing industries in October, up 8,000 from September. An increase of 5,000 in amusements, including motion pictures, helped advance employment in services 6,000. Government employment was up 2,000 over the month. Transportation and public utilities, wholesale trade, retail trade, and finance, insurance, and real estate had little employment change from September.

Over the Year. Ohio's unemployment rate decreased from 6.0 percent in October 1989 to 5.9 percent in October 1990. The national rate rose from 5.3 percent to 5.7 percent over the year. Total employment in Ohio was up 10,000 from October 1989, while total unemployment was 2,000 lower. Since October 1989, nonfarm payroll employment increased 111,000. Services added 49,000 jobs, retail trade went up 25,000, and government was 14,000 higher. Manufacturing employment advanced 9,000 over the year. Noteworthy gains occurred in printing and publishing and in chemicals and allied products. Temporary shutdowns greatly reduced employment in transportation equipment in October 1989. A notable decline occurred in electronic and other electric equipment. Smaller increases were noted in wholesale trade, construction, transportation and public utilities, and finance, insurance, and real estate.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of \$549.98 per week in October, down \$6.87 from September. Their average workweek of 42.7 hours was 0.5 hours shorter. Most industries had decreased earnings due to less overtime. The most significant were motor vehicles and equipment, nonferrous rolling and drawing, iron and steel foundries, and metal forgings and stampings.

Ohio Bureau of Employment Services

Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

Benefits and Costs. There were 71,006 initial claims filed under the Ohio Unemployment Compensation Law in October, up 48.4 percent from September, and up 24.2 percent from October 1989. Total benefits paid rose 17.1 percent to \$46.2 million. The average weekly benefit check of \$171.02 was \$5.00 higher than in September. The average weekly number of benefit recipients, at 61,326, declined 0.1 percent. At the end of October, there were 207,158 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services helped 33,061 new job applicants in October, up 17.9 percent from September, but down 11.6 percent from October 1989. The Employment Services Division made 23,541 job referrals in October, up 10.0 percent from September. Total placements rose 2.3 percent over the month to 5,207.

The U.S. Department of Labor has designated Labor Surplus Areas for the period October 1, 1990 through September 30, 1991.

See pages 52 and 53 for listings of cities and counties.

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Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio^a

Seasonally Adjusted

Household Survey Data^d

Civilian Labor Force.....	5,470	5,450	5,462	20	8	.4	1
Employment.....	5,145	5,166	5,135	-21	10	-.4	2
Unemployment.....	325	284	327	41	-2	14.4	-8
Unemployment Rate	5.9	5.2	6.0				

Employer Survey Data^e

	Employment (in thousands)			Change ^b (in thousands)		Percent Change ^c	
	Oct. 1990	Sep. 1990	Oct. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Total	4,945	4,936	4,834	9	111	.2	2.3
Goods-Producing Industries	1,336	1,335	1,324	1	11	.1	.9
Mining.....	18	18	18	0	0	-1.0	-2.2
Coal Mining.....	7	7	8	0	0	-.7	-4.2
Oil and Gas Extraction	6	6	6	0	0	-2.5	-2.5
Construction.....	197	199	194	-2	3	-1.1	1.6
General Building Contractors	46	47	46	-1	0	-1.6	-.1
Heavy Construction, Except Building	23	23	23	0	0	-1.4	-2.2
Special Trade Contractors.....	129	130	125	-1	4	-.8	2.9
Manufacturing	1,121	1,117	1,112	3	9	.3	.8
Durable Goods	744	742	741	2	4	.3	.8
Lumber and Wood Products	23	23	22	0	1	.3	4.3
Furniture and Fixtures.....	15	15	15	0	0	1.8	1.2
Stone, Clay, and Glass Products.....	45	45	45	0	0	.5	.4
Primary Metal Industries	101	102	100	-1	1	-.8	.8
Fabricated Metal Products.....	135	135	135	0	0	-.1	-.1
Industrial Machinery and Equipment	165	165	164	0	1	.0	.0
Electronic and Other Electric Equipment	77	76	79	0	-3	.4	-3.5
Transportation Equipment.....	143	140	137	2	6	1.7	1.7
Instruments and Related Products	25	25	27	-0	-1	-.8	-2.5
Nondurable Goods	376	375	371	1	5	.4	1.3
Food and Kindred Products	65	64	64	1	1	2.0	2.2
Apparel and Other Textile Products.....	15	15	15	0	0	1.6	2.3
Paper and Allied Products	38	38	38	0	0	.2	.6
Printing and Publishing.....	76	76	74	0	2	-.5	2.2
Chemicals and Allied Products	67	67	66	0	2	.5	2.5
Rubber and Misc. Plastics Products	96	97	97	0	0	-.3	-.5
Service-Producing Industries	3,609	3,602	3,509	8	100	.2	2.9
Transportation and Public Utilities.....	219	220	217	0	3	-.1	1.2
Transportation	130	130	126	0	4	-.3	3.1
Communications, Electric, Gas Services ..	89	89	91	0	-1	.3	-1.3

See footnotes on page 4.

Ohio (continued)

**Civilian Labor Force
and Nonagricultural Wage
and Salary Employment
Estimates for Ohio^a**

Seasonally Adjusted

	Employment (in thousands)			Change ^b (in thousands)		Percent Change ^c	
	Oct. 1990	Sep. 1990	Oct. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	273	274	267	0	7	-.1	2.5
Wholesale Trade-Durable Goods	173	173	169	0	4	-.1	2.4
Wholesale Trade-Nondurable Goods	101	101	98	0	3	.0	2.7
Retail Trade	938	938	913	0	25	.0	2.7
Building Materials and Garden Supplies	36	36	35	0	1	.0	3.7
General Merchandise Stores	127	128	126	-1	0	-1.2	.3
Food Stores	143	143	141	0	2	.3	1.5
Automotive Dealers and Service Stations ..	102	103	100	-1	2	-.6	1.7
Apparel and Accessory Stores	53	53	49	0	4	-.3	7.7
Furniture and Homefurnishings Stores	34	34	32	0	2	-.4	5.8
Eating and Drinking Places	318	316	312	2	6	.6	2.0
Miscellaneous Retail	124	124	117	0	8	.1	6.6
Finance, Insurance, and Real Estate	257	257	254	0	3	.1	1.3
Finance	121	121	120	0	1	.2	.9
Depository Institutions	91	91	91	0	0	.2	.1
Insurance	92	92	92	0	1	-.1	.9
Real Estate	44	44	43	0	1	.2	3.1
Services	1,197	1,191	1,148	6	49	.5	4.2
Hotels and Other Lodging Places	39	39	38	0	1	1.0	2.5
Personal Services	55	55	54	0	1	-.1	1.7
Business Services	220	220	207	0	13	-.2	6.4
Amusements, Including Motion Pictures	61	56	54	5	7	8.5	13.5
Health Services	401	400	388	1	13	.4	3.4
Legal Services	30	30	29	0	2	-.3	5.3
Educational Services	61	61	60	0	1	.3	1.7
Social Services	77	76	74	0	3	.2	4.2
Membership Organizations	81	81	79	0	1	-.6	1.8
Engineering and Management Services	89	89	86	1	3	.8	4.0
Government	724	723	711	2	14	.2	1.9
Federal Government	94	94	98	0	-3	-.1	-3.3
State Government	164	164	159	0	5	-.1	3.0
State Government Education	86	86	83	0	3	-.3	3.4
Local Government	466	464	454	2	12	.4	2.7
Local Government Education	272	271	266	1	7	.5	2.5

^aData for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

^bChanges are computed from unrounded numbers. ^cPercentages are computed from unrounded numbers. ^dFrom the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. ^eFrom the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (In Thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
5,333	5,038	295	5.5	5.3
5,362	5,063	299	5.6	5.3
5,350	5,060	290	5.4	5.3
5,399	5,078	321	5.9	5.4
5,386	5,109	277	5.1	5.2
5,403	5,116	287	5.3	5.0
5,374	5,090	284	5.3	5.3
5,409	5,116	293	5.4	5.2
5,445	5,142	303	5.6	5.3
5,420	5,124	296	5.5	5.3
5,427	5,162	265	4.9	5.3
5,441	5,153	288	5.3	5.3
5,462	5,135	327	6.0	5.3
5,415	5,081	334	6.2	5.3
5,442	5,110	332	6.1	5.3
5,426	5,060	366	6.7	5.3
5,372	5,061	311	5.8	5.3
5,402	5,107	295	5.5	5.2
5,417	5,098	319	5.9	5.4
5,428	5,107	321	5.9	5.3
5,419	5,135	284	5.2	5.2
5,411	5,104	307	5.7	5.5
5,446	5,174	272	5.0	5.6
5,450	5,166	284	5.2	5.7
5,470	5,145	325	5.9	5.7

Ohio Nonagricultural Wage and Salary Employment (In Thousands)

	Nonagricultural Employment				
	Total	Goods-Producing Employment			
	Total	Total	Mining	Construction	Manufacturing
1988					
October	4,732	1,322	18	184	1,119
November	4,745	1,325	18	186	1,121
December	4,761	1,329	18	188	1,123
1989					
January	4,775	1,338	18	191	1,128
February	4,796	1,340	18	194	1,128
March	4,817	1,342	18	194	1,130
April	4,791	1,336	18	193	1,125
May	4,795	1,332	18	190	1,125
June	4,809	1,335	18	192	1,126
July	4,809	1,325	15	192	1,118
August	4,828	1,335	18	193	1,124
September	4,835	1,334	18	193	1,122
October	4,834	1,324	18	194	1,112
November	4,850	1,332	18	196	1,119
December	4,862	1,334	18	197	1,119
1990					
January	4,848	1,312	18	198	1,097
February	4,892	1,341	18	199	1,124
March	4,905	1,340	18	200	1,122
April	4,904	1,340	18	199	1,122
May	4,917	1,337	18	198	1,121
June	4,928	1,341	18	199	1,124
July	4,928	1,334	18	198	1,118
August	4,938	1,338	18	200	1,120
September	4,936	1,335	18	199	1,117
October	4,945	1,336	18	197	1,121

Service-Producing Employment (In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
3,410	212	1988				1988		
3,419	213	October	259	879	249	October	1,112	698
3,432	214	November	260	881	249	November	1,116	700
		December	260	886	250	December	1,123	700
3,437	215	1989				1989		
3,456	215	January	261	889	250	January	1,124	699
3,475	215	February	261	897	251	February	1,130	701
3,455	215	March	262	905	252	March	1,137	703
3,463	215	April	261	896	251	April	1,131	702
3,474	215	May	262	896	251	May	1,133	704
3,484	215	June	263	900	252	June	1,138	704
3,494	216	July	264	904	253	July	1,141	707
3,501	216	August	265	906	253	August	1,145	708
3,509	217	September	266	909	254	September	1,148	708
3,518	217	October	267	913	254	October	1,148	711
3,527	218	November	267	916	255	November	1,152	710
		December	268	919	255	December	1,156	711
3,535	219	1990				1990		
3,551	219	January	269	926	256	January	1,154	711
3,565	220	February	269	931	257	February	1,159	717
3,564	218	March	270	934	257	March	1,166	718
3,580	218	April	270	932	257	April	1,168	719
3,587	219	May	271	933	257	May	1,172	728
3,594	218	June	272	937	257	June	1,177	725
3,601	218	July	273	937	257	July	1,182	726
3,602	220	August	274	939	257	August	1,189	724
3,609	219	September	274	938	257	September	1,191	723
		October	273	938	257	October	1,197	724

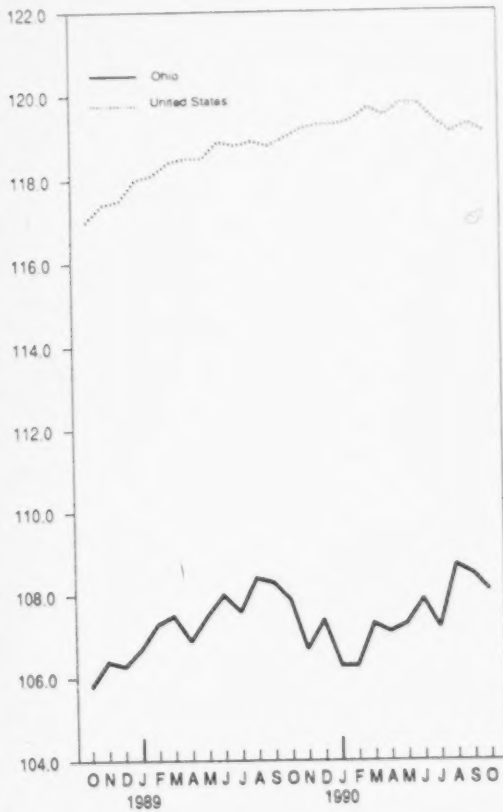
^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Indexes of Total Employment

Ohio and U.S.

(Seasonally Adjusted)

Index (1979=100)

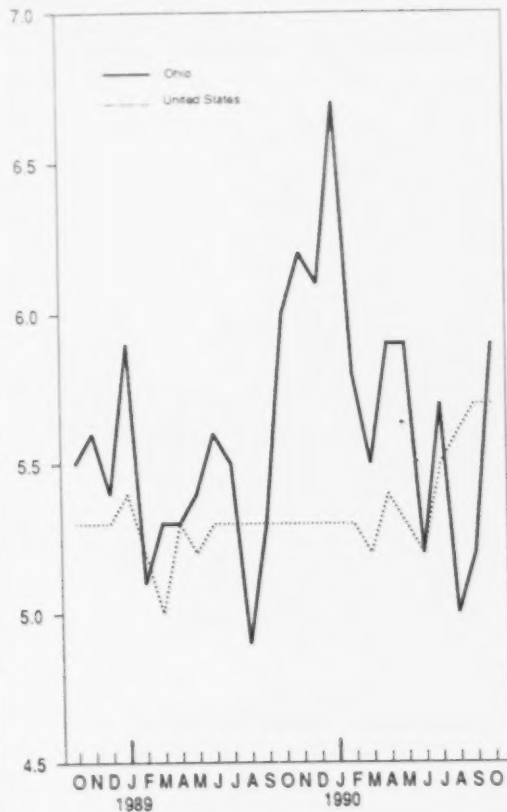


Unemployment Rates

Ohio and U.S.

(Seasonally Adjusted)

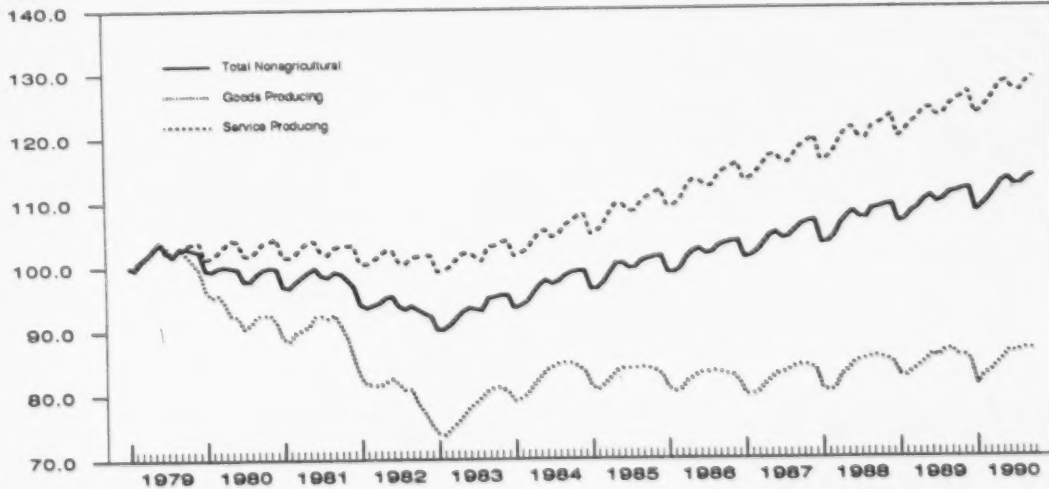
Percent



Index of Nonagricultural Wage and Salary Employment

(Not Seasonally Adjusted)

Index (1979 = 100)



Nonseasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
5,477	5,169	308	5.6	5.0	1989 October
5,434	5,113	321	5.9	5.2	1989 November
5,421	5,094	328	6.0	5.1	1989 December
5,391	4,979	412	7.6	5.9	1990 January
5,344	4,998	346	6.5	5.8	1990 February
5,353	5,035	318	5.9	5.4	1990 March
5,373	5,071	302	5.6	5.2	1990 April
5,409	5,104	305	5.6	5.1	1990 May
5,481	5,179	302	5.5	5.3	1990 June
5,472	5,194	278	5.1	5.5	1990 July
5,504	5,245	258	4.7	5.4	1990 August
5,436	5,177	259	4.8	5.5	1990 September
5,493	5,187	306	5.6	5.4	1990 October

Ohio Nonagricultural Wage and Salary Employment (in thousands)

Nonagricultural Employment					
Total	Goods-Producing Employment				
	Total	Mining	Construction	Manufacturing	
4,484.8	1,586.8	31.6	182.9	1,382.3	1979
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.2	1,333.9	17.8	193.1	1,123.0	1989
4,885.7	1,347.1	18.6	212.3	1,116.3	1989 October
4,900.8	1,346.8	18.3	205.5	1,123.0	1989 November
4,909.6	1,335.6	18.1	195.8	1,121.7	1989 December
4,752.1	1,275.5	17.6	170.6	1,087.3	1990 January
4,790.2	1,297.3	17.3	166.2	1,113.8	1990 February
4,834.5	1,307.0	17.5	174.7	1,114.8	1990 March
4,889.3	1,324.4	17.7	188.3	1,118.4	1990 April
4,949.2	1,338.0	18.0	199.6	1,120.5	1990 May
4,977.7	1,357.5	18.4	209.5	1,129.7	1990 June
4,934.0	1,353.1	18.5	216.6	1,118.1	1990 July
4,938.2	1,361.9	18.4	219.9	1,123.6	1990 August
4,979.9	1,363.2	18.3	218.5	1,126.4	1990 September
4,997.5	1,358.6	18.1	215.3	1,125.2	1990 October

Service-Producing Employment (in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
3,538.6	219.4	1989 October	268.0	919.7	254.1	1989 October	1,156.2	721.2
3,554.0	219.4	1989 November	268.5	933.3	254.3	1989 November	1,152.0	726.5
3,574.0	220.4	1989 December	269.6	949.1	254.7	1989 December	1,150.5	729.7
3,476.5	213.7	1990 January	266.4	905.9	253.6	1990 January	1,122.6	714.2
3,492.9	213.7	1990 February	266.2	897.5	253.8	1990 February	1,133.2	728.6
3,527.5	215.0	1990 March	267.7	906.6	255.0	1990 March	1,147.7	735.5
3,564.8	216.5	1990 April	269.5	922.0	255.5	1990 April	1,167.6	733.7
3,611.1	218.6	1990 May	271.5	936.7	256.8	1990 May	1,180.4	747.2
3,620.2	220.7	1990 June	274.0	945.9	259.3	1990 June	1,196.9	723.4
3,580.9	220.9	1990 July	275.0	943.7	260.4	1990 July	1,199.6	681.2
3,576.4	221.1	1990 August	274.6	948.3	260.4	1990 August	1,202.5	669.5
3,616.7	222.3	1990 September	273.7	945.6	258.3	1990 September	1,208.9	707.9
3,639.0	222.1	1990 October	274.5	944.8	257.4	1990 October	1,204.6	735.6

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings^a

Not Seasonally Adjusted

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)
1,382.3	978.1	404.2
1,264.3	880.3	384.1
1,232.6	858.2	374.4
1,099.9	750.5	349.4
1,066.0	721.9	344.1
1,127.0	771.7	355.4
1,124.2	767.0	357.3
1,109.8	751.0	358.8
1,098.9	738.9	360.0
1,110.6	747.3	363.4
1,123.0	753.2	369.8
1989		
1,116.3	742.1	374.2
1,123.0	749.5	373.5
1,121.7	750.0	371.7
1990		
1,087.3	719.3	368.0
1,113.8	745.8	368.0
1,114.8	746.1	368.7
1,118.4	748.5	369.9
1,120.5	749.3	371.2
1,129.7	754.2	375.5
1,118.1	743.4	374.6
1,123.6	746.6	377.0
1,126.4	746.3	380.1
1,125.2	746.0	379.2

Production Workers in Manufacturing

Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
979.0	\$318.5	40.6
867.8	301.9	35.2
847.7	330.4	34.7
735.7	297.1	29.5
721.6	315.5	29.9
781.5	362.3	33.1
773.4	369.7	32.5
758.5	369.1	31.9
751.4	375.5	32.0
762.3	393.0	32.8
770.6	403.4	32.9
1989		
765.6	398.9	32.5
770.4	405.9	32.9
769.6	405.9	32.8
1990		
735.8	376.7	30.9
761.0	394.7	31.9
761.9	403.1	32.2
765.2	395.7	31.8
766.2	415.5	32.8
772.7	423.3	33.2
759.6	404.2	32.1
765.3	410.8	32.4
768.5	427.9	33.2
768.0	422.4	32.8

1989
October
November
December

1990
January
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July
August
September
October

Production Worker Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods
\$325.36	\$335.30	\$297.78
347.94	358.57	319.99
389.78	401.64	358.16
403.81	414.80	378.95
437.18	452.35	402.52
463.61	482.38	417.83
477.96	499.56	425.80
486.68	507.95	439.71
499.70	519.52	455.03
515.57	538.16	466.31
523.50	542.23	478.19
1989		
521.10	539.30	482.69
526.92	545.24	484.68
527.39	546.12	485.62
1990		
511.98	524.15	485.72
518.72	536.36	478.67
529.17	548.26	483.89
517.09	534.18	478.06
542.28	564.19	493.08
547.82	571.14	497.12
532.14	550.35	491.99
536.78	555.93	493.92
556.85	581.16	504.38
549.98	574.48	496.36

Production Worker Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods
41.5	41.6	41.1
40.6	40.7	40.2
40.9	40.9	40.7
40.1	40.0	40.4
41.4	41.5	41.2
42.3	42.5	41.7
42.0	42.3	41.3
42.1	42.4	41.6
42.6	42.9	41.9
43.0	43.4	42.2
42.7	43.0	41.8
1989		
42.4	42.7	41.9
42.7	43.0	42.0
42.6	42.9	41.9
1990		
42.0	42.1	41.8
41.9	42.2	41.3
42.3	42.6	41.5
41.5	41.7	41.0
42.8	43.2	42.0
43.0	43.4	42.2
42.2	42.4	41.8
42.4	42.6	42.0
43.2	43.5	42.6
42.7	43.0	42.1

1989
October
November
December

1990
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September
October

Production Worker Average Hourly Earnings

Manufacturing	Durable Goods	Nondurable Goods
\$ 7.84	\$ 8.06	\$ 7.25
8.57	8.81	7.96
9.53	9.82	8.80
10.07	10.37	9.38
10.56	10.90	9.77
10.96	11.35	10.02
11.38	11.81	10.31
11.56	11.98	10.57
11.73	12.11	10.86
11.90	12.40	11.05
12.26	12.61	11.44
1989		
12.29	12.63	11.52
12.34	12.68	11.54
12.38	12.73	11.59
1990		
12.19	12.45	11.62
12.38	12.71	11.59
12.51	12.87	11.66
12.46	12.81	11.66
12.67	13.06	11.74
12.74	13.16	11.78
12.61	12.98	11.77
12.66	13.05	11.76
12.89	13.36	11.84
12.88	13.36	11.79

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings^a in Selected Major Manufacturing Industries^a

Not Seasonally Adjusted

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products
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Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment
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Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
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Employment (thousands)

67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
45.9	100.3	135.3	October	163.6	79.4	136.4	October	64.9	74.8	97.6
45.9	100.8	136.2	November	167.1	79.6	139.0	November	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.8	December	63.4	75.0	96.7
			1990				1990			
44.2	98.8	130.5	January	167.6	78.4	120.6	January	63.3	74.6	94.7
44.3	100.7	134.2	February	167.2	78.5	142.1	February	62.5	74.8	94.9
45.0	100.9	134.1	March	167.0	78.3	141.6	March	62.2	74.7	95.5
45.6	100.8	134.9	April	166.6	78.3	142.4	April	62.5	74.8	96.2
45.7	101.2	135.3	May	167.0	77.8	142.1	May	62.6	75.4	96.7
46.6	101.7	136.8	June	167.3	77.7	143.3	June	63.7	75.9	97.7
46.3	99.4	135.4	July	166.9	77.4	137.3	July	63.8	76.3	95.8
46.4	100.6	135.2	August	165.6	77.0	141.5	August	64.7	76.5	96.9
46.2	102.0	135.9	September	165.1	76.8	140.0	September	67.4	76.5	97.3
46.0	101.0	135.3	October	164.8	76.6	142.0	October	66.4	76.5	97.2

Average Weekly Earnings of Production Workers

\$293.34	\$395.43	\$323.38	1979	\$329.09	\$289.27	\$391.56	1979	\$304.50	\$302.62	\$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.07
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
490.05	610.42	507.78	October	528.90	460.37	711.67	October	457.03	467.63	440.15
488.91	616.07	512.68	November	534.69	462.31	720.72	November	467.58	478.67	440.35
471.10	618.02	502.80	December	538.46	462.44	717.05	December	473.18	482.26	433.54
			1990				1990			
473.59	605.12	489.82	January	520.15	459.26	670.64	January	476.57	470.00	442.21
476.86	601.51	505.44	February	532.16	464.80	683.12	February	454.40	471.22	442.90
484.79	618.62	512.36	March	535.62	457.97	718.39	March	458.27	472.42	446.13
494.79	636.41	493.61	April	509.60	437.80	691.32	April	445.61	458.25	434.42
495.79	657.34	531.48	May	547.67	456.65	742.29	May	469.83	465.71	460.82
498.10	672.04	533.68	June	548.97	458.59	758.62	June	476.40	467.68	467.99
493.06	644.36	506.75	July	539.71	456.84	722.67	July	475.57	469.66	458.55
495.20	649.82	524.97	August	546.08	465.12	706.55	August	485.78	472.03	452.19
501.38	684.71	543.99	September	562.42	477.76	767.45	September	492.59	487.62	461.58
496.60	671.99	539.33	October	565.02	472.73	745.92	October	474.33	480.00	460.76

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Ohio

Nonagricultural Wage and Salary Employment^a

Not Seasonally Adjusted

	Employment (in thousands)			Change ^d (in thousands)	
	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	From Last Month	From Last Year
Total	4997.5	4979.9	4885.7	17.6	111.9
Goods-Producing Industries	1358.6	1363.2	1347.1	-4.6	11.4
Mining.....	18.1	18.3	18.6	-.2	-.4
Coal Mining.....	7.4	7.5	7.7	-.1	-.3
Oil and Gas Extraction.....	5.6	5.7	5.8	-.1	-.1
Construction	215.3	218.5	212.3	-3.3	3.0
General Building Contractors.....	49.0	50.2	49.2	-1.2	-.2
Nonresidential Building Construction.....	24.4	25.0	25.1	-.5	-.6
Heavy Construction, Except Building.....	27.3	27.7	27.9	-.4	-.6
Highway and Street Construction.....	9.6	10.0	10.4	-.4	-.8
Special Trade Contractors.....	138.9	140.6	135.2	-1.7	3.8
Manufacturing	1125.2	1126.4	1116.3	-1.2	8.9
Durable Goods.....	746.0	746.3	742.1	-.3	3.9
Lumber and Wood Products.....	23.9	23.8	23.0	.1	.9
Millwork, Plywood and Structural Members.....	10.6	10.5	10.4	.0	.1
Furniture and Fixtures.....	15.6	15.4	15.4	-.2	-.2
Stone, Clay, and Glass Products.....	46.0	46.2	45.9	-.2	-.1
Primary Metal Industries.....	101.0	102.0	100.3	-1.0	.7
Blast Furnace and Basic Steel Products.....	46.9	47.1	44.6 ^j	-.2	2.3
Iron and Steel Foundries.....	19.8	20.1	20.5	-.2	-.7
Nonferrous Rolling and Drawing.....	16.2	16.7	17.1	-.4	-.9
Nonferrous Foundries.....	10.6	10.8	10.6	-.1	.0
Fabricated Metal Products.....	135.3	135.9	135.3	-.6	.0
Fabricated Structural Metal Products.....	30.7	30.7	30.5	.0	.2
Metal Forgings and Stampings.....	38.9	39.2	39.1	-.2	-.2
Industrial Machinery and Equipment.....	164.8	165.1	163.6	-.4	1.2
Construction and Related Machinery.....	13.8	14.0	14.1	-.1	-.3
Metalworking Machinery.....	47.1	47.1	47.5	.1	-.4
Special Industry Machinery.....	16.9	16.9	17.4	-.1	-.6
General Industrial Machinery.....	26.1	26.1	23.3 ^j	.0	2.8
Computer and Office Equipment.....	10.9	11.1	11.2	-.3	-.4
Refrigeration and Service Machinery.....	14.8	14.9	16.0	-.1	-1.2
Electronic and Other Electric Equipment.....	76.6	76.8	79.4	-.2	-2.8
Electrical Industrial Apparatus.....	12.3	12.1	12.6	.2	-.3
Household Appliances.....	15.0	15.1	15.2	.0	-.2
Electric Lighting and Wiring Equipment.....	16.1	16.3	16.5	-.2	-.4
Electronic Components and Accessories.....	11.2	11.3	11.6	-.1	-.4
Transportation Equipment.....	142.0	140.0	136.4	2.1	5.7
Motor Vehicles and Equipment.....	96.8	94.5	90.9	2.3	5.9
Aircraft and Parts.....	36.4	36.6	36.6	-.2	-.2
Instruments and Related Products.....	25.5	25.6	27.0	-.2	-1.5
Measuring and Controlling Devices.....	15.4	15.6	16.5	-.1	-1.1
Nondurable Goods	379.2	380.1	374.2	-.9	5.0
Food and Kindred Products.....	66.4	67.4	64.9	-1.0	1.5
Dairy Products.....	10.8	10.8	10.2	.0	.6
Preserved Fruits and Vegetables.....	12.0	13.4	11.9	-1.3	.2
Bakery Products.....	9.7	9.7	9.7	.1	.0
Apparel and Other Textile Products.....	15.6	15.3	15.3	.3	.3
Paper and Allied Products.....	38.0	38.0	37.8	.0	.2
Paperboard Containers and Boxes.....	14.2	14.1	13.9	.1	.4
Miscellaneous Converted Paper Products.....	12.1	12.2	12.0	-.1	.1
Printing and Publishing.....	76.5	76.5	74.8	-.1	1.7
Newspapers.....	19.5	19.5	18.9	.0	.5
Commercial Printing.....	28.1	28.0	27.6	.1	.5
Chemicals and Allied Products.....	67.1	67.0	65.5	.1	1.6
Plastics Materials and Synthetics.....	9.8	9.9	9.7	.0	.1
Rubber and Miscellaneous Plastics Products.....	97.2	97.3	97.6	-.1	-.4
Tires and Inner Tubes.....	15.9	15.9	15.6	.0	.3
Miscellaneous Plastics Products.....	59.4	59.3	59.0	.1	.4
Service-Producing Industries	3639.0	3616.7	3538.6	22.2	100.4
Transportation and Public Utilities.....	222.1	222.3	219.4	-.2	2.7
Transportation.....	132.6	132.6	128.6	.0	4.0
Railroad Transportation.....	12.2	12.2	12.9	.0	-.7
Trucking and Warehousing.....	79.5	79.3	77.4	.2	2.1
Transportation by Air.....	14.5	14.6	13.4	-.1	1.1
Communications, Electric, Gas Services.....	89.5	89.7	90.7	-.2	-1.2
Communications.....	46.4	46.5	47.4	-.1	-1.0
Electric, Gas, and Sanitary Services.....	43.1	43.2	43.3	-.1	-.2

See footnotes on page 13.

Ohio (continued)

**Nonagricultural
Wage and Salary
Employment^a**

Not Seasonally Adjusted

	Employment (in thousands)			Change ^d (in thousands)	
	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^e	From Last Month	From Last Year
Wholesale Trade.....	274.5	273.7	268.0	.8	6.5
Wholesale Trade-Durable Goods.....	173.5	173.2	169.6	.3	3.8
Motor Vehicles, Parts, and Supplies.....	23.1	23.0	22.9	.0	.2
Professional and Commercial Equipment.....	33.3	33.3	32.6	.0	.7
Metals and Minerals, Except Petroleum.....	11.5	11.6	11.3	-.1	.3
Electrical Goods.....	18.9	18.9	18.7	.1	.2
Hardware, Plumbing and Heating Equipment.....	13.1	13.0	12.7	.0	.3
Machinery, Equipment, and Supplies.....	43.4	43.2	42.2	.1	1.1
Wholesale Trade-Nondurable Goods.....	101.0	100.5	98.3	.5	2.7
Groceries and Related Products.....	33.4	33.3	32.4	.1	1.0
Retail Trade.....	944.8	945.6	919.7	-.8	25.2
Building Materials and Garden Supplies.....	36.4	36.8	35.1	-.4	1.3
Lumber and Other Building Materials.....	18.4	18.8	18.0	-.3	.5
General Merchandise Stores.....	128.2	126.6	127.9	1.6	.3
Department Stores.....	104.5	103.2	103.8	1.2	.7
Variety Stores.....	14.0	13.9	14.0	.1	.0
Food Stores.....	143.9	143.7	141.8	.2	2.1
Grocery Stores.....	126.8	126.7	125.2	.1	1.6
Automotive Dealers and Service Stations.....	102.3	103.6	100.6	-1.2	1.7
New and Used Car Dealers.....	44.9	45.4	44.7	-.5	.2
Gasoline Service Stations.....	36.2	36.5	34.8	-.2	1.5
Apparel and Accessory Stores.....	53.9	53.2	50.1	.7	3.9
Furniture and Homefurnishings Stores.....	34.3	33.8	32.4	-.5	1.9
Eating and Drinking Places.....	319.7	324.4	313.5	-4.7	6.2
Miscellaneous Retail.....	126.1	123.6	118.2	2.5	7.9
Drug Stores and Proprietary Stores.....	33.0	32.6	31.3	.4	1.8
Nonstore Retailers.....	24.1	23.6	22.5	.5	1.5
Finance, Insurance, and Real Estate.....	257.4	258.3	254.1	-.9	3.2
Finance.....	120.8	121.1	119.7	-.3	1.1
Depository Institutions.....	90.7	91.0	90.5	-.3	.1
Commercial Banks.....	64.4	64.5	63.6	-.2	.7
Insurance.....	92.5	92.5	91.6	.0	.8
Insurance Carriers.....	70.2	70.4	70.0	-.2	.2
Life Insurance.....	25.9	25.8	25.9	.0	.0
Fire, Marine, and Casualty Insurance.....	31.7	31.9	30.9	-.2	.8
Real Estate.....	44.2	44.7	42.8	-.6	1.3
Services.....	1204.6	1208.9	1156.2	-4.3	48.3
Hotels and Other Lodging Places.....	39.0	40.2	38.0	-1.2	.9
Personal Services.....	54.6	54.4	53.7	.2	.9
Business Services.....	224.2	224.0	210.6	.2	13.6
Services to Buildings.....	33.6	33.8	32.7	-.2	.9
Personnel Supply Services.....	79.2	79.9	74.2	-.6	5.0
Computer and Data Processing Services.....	28.5	28.4	26.3	.1	2.3
Amusements, Including Motion Pictures.....	57.3	66.9	50.5	-9.6	6.8
Health Services.....	402.4	401.8	389.1	.6	13.3
Nursing and Personal Care Facilities.....	87.0	87.4	84.1	-.4	2.9
Hospitals.....	193.8	193.7	188.4	.1	5.4
Legal Services.....	30.5	30.4	28.9	.1	1.5
Educational Services.....	65.7	59.7	64.6	6.0	1.1
Colleges and Universities.....	37.5	32.6	36.8	4.9	.7
Social Services.....	77.1	76.4	74.0	.6	3.1
Residential Care.....	23.6	23.5	22.3	.0	1.3
Membership Organizations.....	80.5	80.7	79.1	-.2	1.3
Engineering and Management Services.....	89.3	88.8	85.9	.5	3.3
Engineering and Architectural Services.....	27.4	27.4	26.2	.1	1.2
Accounting, Auditing, and Bookkeeping.....	21.8	21.6	21.2	.2	.7
Research and Testing Services.....	19.3	19.2	19.0	.1	.3
Management and Public Relations.....	20.7	20.6	19.6	.1	1.1
Government.....	735.6	707.9	721.2	27.7	14.4
Federal Government.....	93.8	94.3	97.0	-.5	-3.2
U.S. Postal Service.....	33.3	33.3	34.2	.0	-.9
State Government.....	169.8	154.4	164.7	15.3	5.1
State Government Hospitals.....	16.0	15.8	16.0	.2	.0
State Government Education ^h	92.7	76.1	89.7	16.6	3.1
Local Government.....	472.0	459.2	459.4	12.8	12.6
Local Government Hospitals.....	15.2	15.1	14.8	.0	.4
Local Government Education.....	280.6	265.9	273.8	14.7	6.8

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c
Goods-Producing Industries	\$564.98	\$572.61	\$541.41	42.1	42.7	42.1	\$13.42	\$13.41	\$12.86
Mining	659.69	626.18	612.01	46.1	44.6	45.2	14.31	14.04	13.54
Coal Mining	806.38	727.58	756.57	46.0	42.4	44.9	17.53	17.16	16.85
Construction	630.63	644.80	628.68	39.0	40.3	40.3	16.17	16.00	15.60
General Building Contractors	541.71	571.70	552.42	39.0	41.1	39.8	13.89	13.91	13.88
Heavy Construction, Except Building	680.67	742.11	680.26	40.3	43.5	42.2	16.89	17.06	16.12
Special Trade Contractors	643.08	643.73	642.80	38.6	39.3	40.0	16.66	16.38	16.07
Manufacturing	549.98	556.85	521.10	42.7	43.2	42.4	12.88	12.89	12.29
Durable Goods ^d	574.48	581.16	539.30	43.0	43.5	42.7	13.36	13.36	12.63
Lumber and Wood Products	311.04	313.08	332.86	38.4	38.7	40.2	8.10	8.09	8.28
Millwork, Plywood and Structural Members	368.16	366.54	364.63	41.6	41.7	42.3	8.85	8.79	8.62
Furniture and Fixtures	401.74	409.49	390.10	42.2	42.7	41.5	9.52	9.59	9.40
Stone, Clay, and Glass Products	496.60	501.38	490.05	42.7	43.0	43.1	11.63	11.66	11.37
Primary Metal Industries	671.99	684.71	610.42	45.1	45.8	43.2	14.90	14.95	14.13
Blast Furnace and Basic Steel Products	702.47	708.55	611.33	46.8	47.3	42.9	15.01	14.98	14.25
Iron and Steel Foundries	725.91	745.89	638.24	45.2	46.3	43.3	16.06	16.11	14.74
Nonferrous Rolling and Drawing	669.09	716.81	675.75	41.2	43.0	42.5	16.24	16.67	15.90
Nonferrous Foundries	463.95	467.83	456.32	42.8	43.6	43.5	10.84	10.73	10.49
Fabricated Metal Products	539.33	543.99	507.78	42.3	42.8	42.0	12.75	12.71	12.09
Fabricated Structural Metal Products	493.06	494.79	462.68	43.1	43.1	42.1	11.44	11.48	10.99
Metal Forgings and Stampings	685.72	695.71	623.93	43.1	44.2	42.3	15.91	15.74	14.75
Industrial Machinery and Equipment	565.02	562.42	528.90	43.8	43.7	43.0	12.90	12.87	12.30
Construction and Related Machinery	465.12	454.73	446.89	40.8	40.1	40.7	11.40	11.34	10.98
Metalworking Machinery	541.79	534.26	528.06	44.3	43.9	44.3	12.23	12.17	11.92
Special Industry Machinery	499.70	531.16	528.75	42.6	44.3	45.0	11.73	11.99	11.75
General Industrial Machinery	676.91	670.94	598.13	46.3	46.4	43.5	14.62	14.46	13.75
Computer and Office Equipment	470.42	465.15	468.42	40.8	41.2	42.2	11.53	11.29	11.10
Refrigeration and Service Machinery	645.58	651.22	557.92	42.5	42.9	40.4	15.19	15.18	13.81
Electronic and Other Electric Equipment	472.73	477.76	460.37	41.0	41.4	41.4	11.53	11.54	11.12
Electrical Industrial Apparatus	457.21	469.76	442.37	42.1	42.9	42.7	10.86	10.95	10.36
Household Appliances	489.14	496.50	484.00	39.8	40.3	40.3	12.29	12.32	12.01
Electric Lighting and Wiring Equipment	496.11	502.94	467.93	40.4	40.3	40.2	12.28	12.48	11.64
Electronic Components and Accessories	341.42	354.06	339.08	40.5	41.9	41.1	8.43	8.45	8.25
Transportation Equipment	745.92	767.45	711.67	44.4	45.6	44.9	16.80	16.83	15.85
Motor Vehicles and Equipment	769.45	798.66	739.11	44.4	45.9	45.4	17.33	17.40	16.28
Aircraft and Parts	694.15	685.89	675.60	44.9	44.8	45.1	15.46	15.31	14.98
Instruments and Related Products	395.81	401.40	383.13	39.7	40.1	40.5	9.97	10.01	9.46
Measuring and Controlling Devices	389.61	390.56	379.35	39.0	38.9	40.1	9.99	10.04	9.46
Nondurable Goods^d	496.36	504.38	482.69	42.1	42.6	41.9	11.79	11.84	11.52
Food and Kindred Products	474.33	492.59	457.03	42.2	43.4	41.7	11.24	11.35	10.96
Dairy Products	490.05	496.06	458.39	43.1	43.4	41.9	11.37	11.43	10.94
Preserved Fruits and Vegetables	490.23	525.78	486.03	41.9	44.9	42.3	11.70	11.71	11.49
Bakery Products	501.41	508.37	477.50	40.6	40.8	39.3	12.35	12.46	12.15
Apparel and Other Textile Products	336.96	344.38	296.83	41.6	42.1	38.4	8.10	8.18	7.73
Paper and Allied Products	533.12	537.43	498.18	44.8	45.2	43.7	11.90	11.89	11.40
Paperboard Containers and Boxes	478.80	491.11	439.13	45.0	45.6	42.8	10.64	10.77	10.26
Miscellaneous Converted Paper Products	507.35	489.07	452.02	44.7	44.1	43.8	11.35	11.09	10.32
Printing and Publishing	480.00	487.62	467.63	40.0	40.5	39.9	12.00	12.04	11.72
Newspapers	384.92	376.49	390.68	33.5	33.2	34.3	11.49	11.34	11.39
Commercial Printing	494.34	511.17	474.60	42.0	43.1	42.0	11.77	11.86	11.30
Chemicals and Allied Products	609.04	615.17	595.78	42.8	43.2	42.8	14.23	14.24	13.92
Plastics Materials and Synthetics	695.64	691.60	690.37	44.0	43.8	44.8	15.81	15.79	15.41
Rubber and Miscellaneous Plastics Products	460.74	461.58	440.15	42.0	42.0	41.8	10.97	10.99	10.53
Tires and Inner Tubes	729.79	716.77	683.11	44.8	44.3	44.1	16.29	16.18	15.49
Miscellaneous Plastics Products	441.79	444.29	417.99	41.6	41.6	41.1	10.62	10.68	10.17
Service-Producing Industries .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	629.93	636.97	606.10	41.8	42.1	41.4	15.07	15.13	14.64
Communications	577.60	583.54	571.05	40.0	40.3	40.3	14.44	14.48	14.17
Electric, Gas, and Sanitary Services	690.55	700.83	646.91	43.9	44.3	42.7	15.73	15.82	15.15
Wholesale Trade	420.42	422.18	407.29	39.0	39.2	39.2	10.78	10.77	10.39
Wholesale Trade-Durable Goods	417.69	418.55	397.49	39.0	39.3	39.2	10.71	10.65	10.14
Motor Vehicles, Parts, and Supplies	353.63	349.27	345.08	37.7	37.8	38.3	9.38	9.24	9.01
Metals and Minerals, Except Petroleum	468.54	474.75	464.45	41.5	42.2	42.3	11.29	11.25	10.98
Wholesale Trade-Nondurable Goods	425.80	428.61	423.06	39.1	39.0	39.1	10.89	10.99	10.82

See footnotes on page 13.

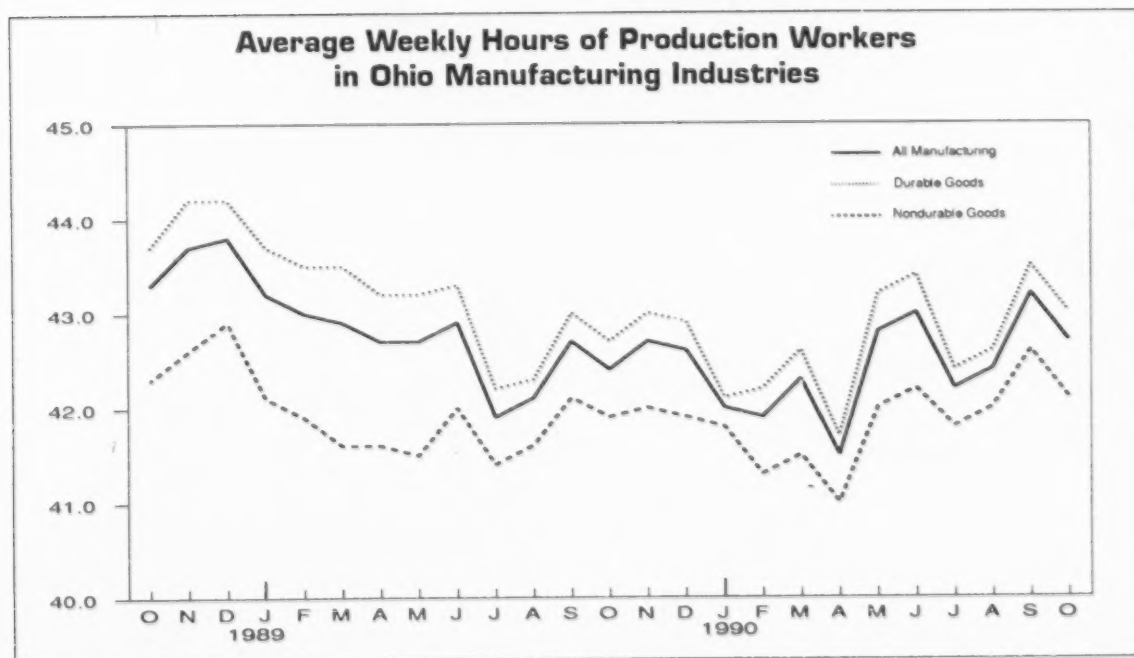
Ohio (continued)

Hours and Earnings of Production or Nonsupervisory Workers^a

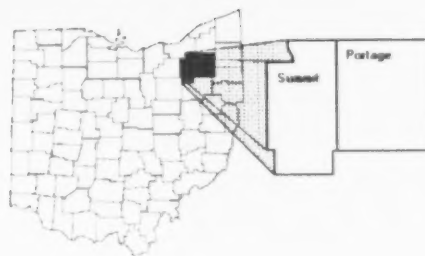
Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990 ^e	Sep. 1990 ^e	Oct. 1989 ^e	Oct. 1990 ^e	Sep. 1990 ^e	Oct. 1989 ^e	Oct. 1990 ^e	Sep. 1990 ^e	Oct. 1989 ^e
Retail Trade ^f	\$179.22	\$180.32	\$174.84	27.7	28.0	28.2	\$6.47	\$6.44	\$6.20
General Merchandise Stores.....	196.37	195.80	184.11	28.5	28.5	28.5	6.89	6.87	6.46
Department Stores.....	199.79	199.91	189.22	28.5	28.6	28.8	7.01	6.99	6.57
Finance, Insurance, and Real Estate.....	352.54	351.03	344.88	.....	.....	.....	.....	.....	.....
Finance.....	324.83	323.80	320.98	.....	.....	.....	.....	.....	.....
Depository Institutions.....	275.52	275.84	273.52	.....	.....	.....	.....	.....	.....
Commercial Banks.....	270.39	269.87	269.83	.....	.....	.....	.....	.....	.....
Insurance.....	421.44	418.62	411.05	.....	.....	.....	.....	.....	.....
Insurance Carriers.....	409.02	407.91	394.80	.....	.....	.....	.....	.....	.....
Life Insurance.....	379.33	376.86	369.13	.....	.....	.....	.....	.....	.....
Fire, Marine, and Casualty Insurance.....	442.27	440.45	422.11	.....	.....	.....	.....	.....	.....
Services.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Business Services.....	250.17	245.02	220.75	33.4	32.8	31.9	7.49	7.47	6.92
Health Services.....	318.21	319.27	302.73	31.6	31.8	31.6	10.07	10.04	9.58
Nursing and Personal Care Facilities.....	216.60	217.24	198.77	31.9	31.9	31.5	6.79	6.81	6.31
Hospitals.....	370.94	374.73	358.34	32.2	32.5	32.4	11.52	11.53	11.06
Engineering and Management Services.....	498.60	482.94	453.26	36.0	35.2	34.6	13.85	13.72	13.10
Engineering and Architectural Services.....	719.29	665.28	628.31	34.9	32.5	31.4	20.61	20.47	20.01
Research and Testing Services.....	379.05	392.39	372.68	36.1	36.4	35.8	10.50	10.78	10.41

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes miscellaneous manufacturing industries. ^fIncludes tobacco products; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^hMoney payments only; tips not included. ⁱDepressed due to labor-management disputes.



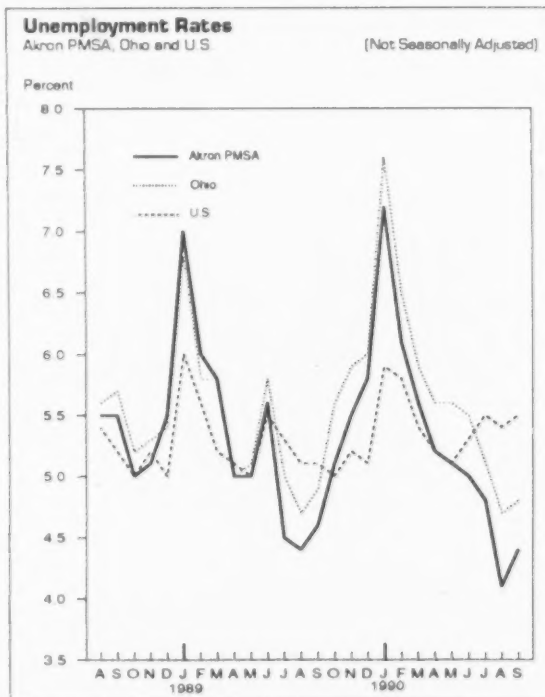
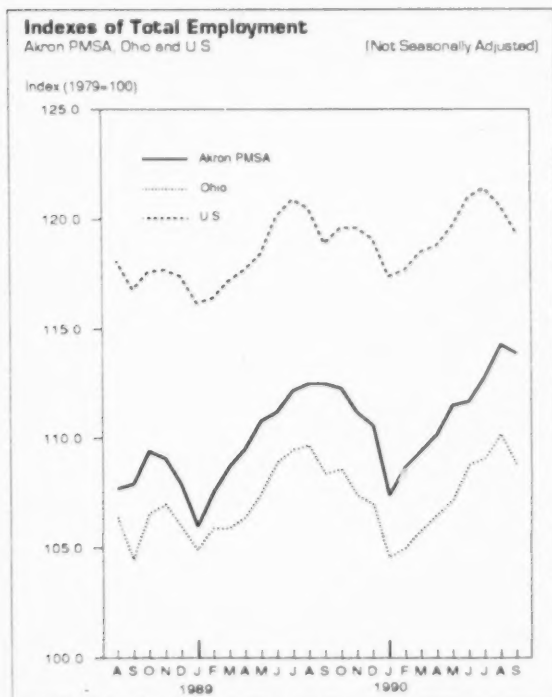
Akron Primary Metropolitan Statistical Area



In the Akron metropolitan area, nonfarm payroll employment dropped 1,100 below the September level to 296,700 in October 1990. The number of jobs in the service-producing sector declined 1,300. Seasonal reductions in services, especially amusements, including motion pictures, outweighed the continued return of nonteaching personnel in state and local schools and colleges. Employment in goods-producing industries increased 200 over the month to 80,900. Scattered improvements in manufacturing, particularly in fabricated metal products and rubber and miscellaneous plastics products, more than offset modest declines in construction. Factory production workers averaged \$12.19 per hour, down fractionally from September. Their average workweek of 42.8 hours was 0.6 hours shorter.

Nonagricultural wage and salary employment advanced 8,200 between October 1989 and October 1990. Service-producing industries added 6,800 employees. A major portion of the gain occurred in services (+4,300) and retail trade (+1,500). Over-the-year growth among producers of durable and nondurable goods, especially rubber and miscellaneous plastics products, and slight expansion in construction raised employment in goods-producing industries 1,400. The workforce in industrial machinery and equipment, electronic and other electric equipment, and transportation equipment declined during the period.

Seasonally adjusted employment in the Akron area declined 1,000 from September to 292,000 in October 1990 mainly due to a reduction in government. The number of jobs in services and manufacturing increased over the month. Since October 1989, total payroll employment advanced 8,000 primarily due to expansion in services. Improvements were also posted in transportation and public utilities, retail trade, and manufacturing.



Akron PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed					Manufacturing Employment			
		Total	Rate					Manufacturing Production Workers		
									Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	\$321.57	41.6	\$ 7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
337.8	320.6	17.2	5.1	1989	288.5	67.9	39.4	497.78	42.4	11.74
335.9	317.3	18.6	5.5	October	289.1	67.8	39.1	502.79	42.9	11.72
335.3	315.7	19.5	5.8	November	289.4	67.7	38.9	504.70	43.1	11.71
330.0	306.4	23.6	7.2	1990	277.2	67.1	38.1	497.64	42.9	11.60
330.3	310.1	20.2	6.1	January	282.7	67.3	38.4	496.40	42.5	11.68
330.6	312.2	18.4	5.6	February	285.4	67.6	38.6	500.02	42.7	11.71
331.9	314.5	17.4	5.2	March	289.2	67.5	38.6	479.49	41.3	11.61
335.2	318.2	17.0	5.1	April	293.6	67.4	38.4	516.00	43.0	12.00
335.3	318.7	16.6	5.0	May	291.1	68.0	38.8	524.36	43.3	12.11
338.0	321.8	16.2	4.8	June	290.1	67.6	38.3	509.92	42.6	11.97
340.4	326.3	14.1	4.1	July	291.2	67.9	38.6	529.40	43.5	12.17
339.9	325.0	14.9	4.4	August	297.8	68.6	39.2	529.91	43.4	12.21
INA	INA	INA	INA	September	296.7	69.0	39.6	521.73	42.8	12.19

Akron PMSA

**Nonagricultural
Wage and Salary
Employment^a**

Not Seasonally Adjusted

	Employment (in thousands)			Change ^d (in thousands)	
	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^e	From Last Month	From Last Year
Total	296.7	297.8	288.5	-1.1	8.2
Goods-Producing Industries^g	80.9	80.7	79.5	.2	1.4
Construction	11.3	11.5	10.9	-.2	.3
Manufacturing	69.0	68.6	67.9	.4	1.1
Durable Goods ^f	35.3	35.1	35.0	.2	.3
Fabricated Metal Products	11.4	11.3	11.3	.1	.1
Fabricated Structural Metal Products	5.0	5.0	4.9	.0	.1
Industrial Machinery and Equipment	10.1	10.2	10.3	.0	-.1
Metalworking Machinery	4.0	4.0	3.9	.0	.1
Electronic and Other Electric Equipment	2.5	2.5	2.6	.0	-.1
Transportation Equipment	4.8	4.8	4.9	.0	-.1
Nondurable Goods ^g	33.7	33.5	32.9	.2	.8
Food and Kindred Products	3.1	3.1	3.1	.0	.1
Chemicals and Allied Products	3.7	3.7	3.6	.0	.1
Rubber and Miscellaneous Plastics Products	20.8	20.7	20.2	.1	.6
Tires and Inner Tubes	11.5	11.5	11.2	.0	.3
Service-Producing Industries	215.8	217.1	209.0	-1.3	6.8
Transportation and Public Utilities	13.7	13.7	13.3	.0	.4
Communications, Electric, Gas Services	4.7	4.7	4.7	.0	.1
Wholesale Trade	15.9	16.0	15.7	-.1	.2
Retail Trade	57.6	57.8	56.0	-.2	1.5
General Merchandise Stores	7.6	7.6	7.7	.1	-.1
Food Stores	9.2	9.2	9.2	.0	.1
Finance, Insurance, and Real Estate	10.6	10.8	10.6	-.1	.1
Finance	5.3	5.4	5.4	-.1	-.1
Services	71.5	73.0	67.2	-1.5	4.3
Business Services	12.2	12.3	11.8	-.1	.4
Personnel Supply Services	3.2	3.3	3.3	-.2	-.2
Amusements, including Motion Pictures	7.3	8.8	5.5	-1.5	1.8
Health Services	22.6	22.6	21.8	.0	.8
Nursing and Personal Care Facilities	4.0	4.1	3.9	-.1	.1
Hospitals	11.1	11.1	10.8	.0	.3
Social Services	4.9	4.8	4.7	.1	.2
Engineering and Management Services	5.5	5.4	5.1	.1	.4
Government	46.5	45.9	46.3	.6	.2
Federal Government	2.4	2.4	2.4	.0	.1
State Government	17.8	17.2	17.5	.6	.2
State Government Education ^h	14.9	14.3	14.7	.6	.3
Local Government	26.3	26.3	26.4	.1	-.1
Local Government Education	14.3	14.2	14.5	.1	-.2

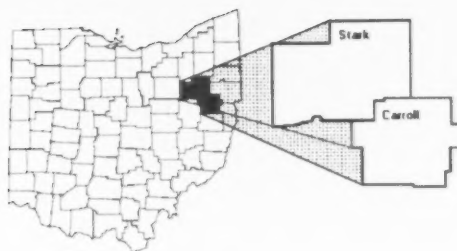
Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990 ^e	Sep. 1990 ^e	Oct. 1989 ^e	Oct. 1990 ^e	Sep. 1990 ^e	Oct. 1989 ^e	Oct. 1990 ^e	Sep. 1990 ^e	Oct. 1989 ^e
Manufacturing.....	\$521.73	\$529.91	\$497.78	42.8	43.4	42.4	\$12.19	\$12.21	\$11.74
Durable Goods ^f	525.95	541.01	511.63	42.9	43.7	42.6	12.26	12.38	12.01
Fabricated Metal Products.....	651.46	688.32	627.69	43.2	44.9	42.7	15.08	15.33	14.70
Fabricated Structural Metal Products.....	539.34	539.34	471.06	44.5	44.5	42.4	12.12	12.12	11.11
Industrial Machinery and Equipment.....	490.39	494.83	477.12	44.5	44.7	44.8	11.02	11.07	10.65
Metalworking Machinery.....	544.52	538.87	523.51	46.5	45.9	46.7	11.71	11.74	11.21
Electronic and Other Electric Equipment.....	436.18	426.40	386.10	41.9	41.0	39.6	10.41	10.40	9.75
Transportation Equipment.....	624.02	627.63	624.09	42.8	42.9	43.1	14.58	14.63	14.48
Nondurable Goods ^g	516.24	513.08	479.10	42.7	42.9	42.1	12.09	11.96	11.38
Food and Kindred Products.....	393.42	386.51	394.07	39.5	39.2	41.7	9.96	9.86	9.45
Chemicals and Allied Products.....	586.98	575.46	535.99	44.2	44.3	43.4	13.28	12.99	12.35
Rubber and Miscellaneous Plastics Products.....	517.44	521.66	478.27	43.3	43.8	42.4	11.95	11.91	11.28
Transportation and Public Utilities.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services.....	594.63	598.78	614.43	40.7	40.9	41.6	14.61	14.64	14.77
Wholesale Trade.....	363.10	361.72	353.79	36.9	36.5	36.7	9.84	9.91	9.64
Retail Trade ^h	214.20	216.75	213.89	30.6	30.4	31.5	7.00	7.13	6.79
General Merchandise Stores.....	200.55	196.10	202.43	29.8	29.4	31.0	6.73	6.67	6.53
Food Stores.....	323.36	319.66	327.99	37.6	37.3	37.7	8.60	8.57	8.70
Finance, Insurance, and Real Estate.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance.....	276.86	281.68	268.74	.....	.....	.....	.....	.....	.....

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes mining. ^fIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. ^gIncludes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^hIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ⁱMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

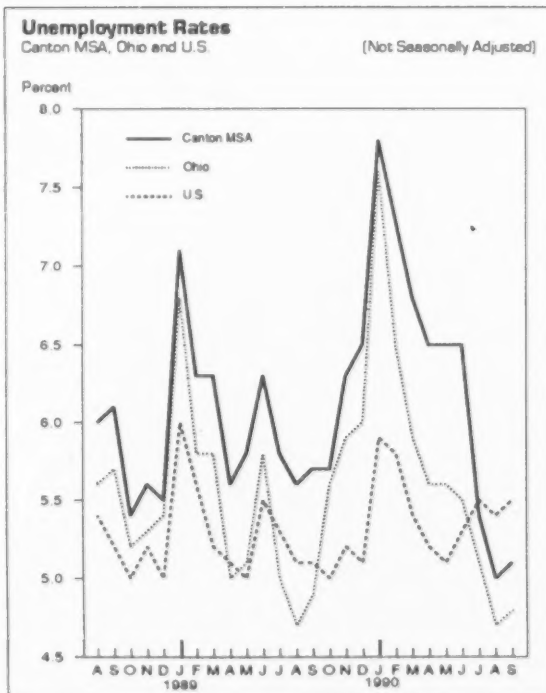
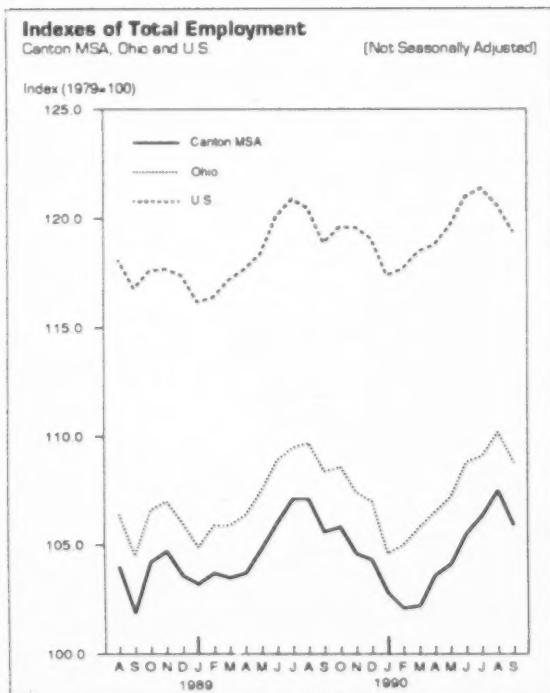
Canton Metropolitan Statistical Area



Nonagricultural payroll employment in the Canton metropolitan area totaled 169,200 in October 1990, up 100 from September. The continued return of nonteaching personnel in local schools and nominal gains in retail trade and services raised employment in service-producing industries 400. Seasonal declines in construction and slight reductions in manufacturing, especially primary metal industries, lowered employment in goods-producing industries 300 over the month to 54,500. Factory production workers averaged \$11.54 per hour, 8 cents higher than September. Their average workweek of 42.3 hours was 0.6 hours shorter.

Nonfarm wage and salary employment advanced 7,400 between October 1989 and October 1990. Goods-producing industries rose 5,200. Labor-management disputes in durable goods, especially primary metal industries, significantly reduced employment in manufacturing in October 1989. Over-the-year gains in construction and food and kindred products partially offset cutbacks in fabricated metal products and rubber and miscellaneous plastics products. The number of jobs in the service-producing sector increased 2,200 during the period. Leading areas of expansion were services (+1,400) and retail trade (+600).

Seasonally adjusted employment in the Canton area decreased 1,000 from the September level to 167,000 in October 1990 with reductions posted in retail trade and government. Over the year, total employment increased 7,000 primarily due to the settlement of labor-management disputes in durable-goods manufacturing and growth in services.



Canton MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed					Manufacturing Employment			
		Total	Rate					Manufacturing Production Workers		
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	\$330.88	40.9	\$ 8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
194.9	183.8	11.1	5.7	October	161.8	40.6	28.1	456.08	41.2	11.07
193.8	181.7	12.1	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.6	178.5	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
191.3	177.3	14.0	7.3	February	162.7	45.4	31.8	473.91	42.2	11.23
190.3	177.5	12.9	6.8	March	163.3	44.8	31.2	472.36	42.1	11.22
192.6	180.0	12.6	6.5	April	165.5	44.1	30.3	474.31	41.9	11.32
193.4	180.8	12.6	6.5	May	167.8	44.8	31.0	479.94	42.1	11.40
196.1	183.3	12.8	6.5	June	169.1	45.4	31.7	487.60	42.4	11.50
195.2	184.6	10.6	5.4	July	168.1	45.5	31.7	485.18	42.3	11.47
196.6	186.7	9.9	5.0	August	168.4	45.3	31.6	484.08	42.5	11.39
193.8	184.0	9.8	5.1	September	169.1	45.7	32.1	491.63	42.9	11.46
INA	INA	INA	INA	October	169.2	45.6	32.0	488.14	42.3	11.54

INA - Information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	6	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
160	48	7	40	October	112	6	9	33	7	38	19
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19
167	54	7	46	February	112	6	8	34	7	39	19
166	53	8	45	March	113	6	8	34	7	39	19
167	53	8	44	April	114	6	9	34	7	39	20
167	53	7	45	May	114	6	9	34	7	39	20
168	53	7	45	June	114	6	9	34	7	40	20
167	53	7	45	July	114	6	9	34	7	40	20
168	53	7	45	August	115	6	9	34	7	40	20
168	54	7	45	September	114	6	9	34	7	40	20
167	54	7	45	October	114	6	9	33	7	40	19

Canton MSA

**Nonagricultural
Wage and Salary
Employment^a**

Not Seasonally Adjusted

	Employment (in thousands)			Change ^d (in thousands)	
	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	From Last Month	From Last Year
Total	169.2	169.1	161.8	.1	7.4
Goods-Producing Industries^e	54.5	54.8	49.2	-.3	5.2
Construction	8.0	8.3	7.9	-.2	.2
Manufacturing	45.6	45.7	40.6	-.1	5.0
Durable Goods ^f	33.9	33.9	28.7	.0	5.2
Primary Metal Industries	12.0	12.1	9.1	-.1	2.9
Fabricated Metal Products	5.6	5.6	6.3	.0	-.7
Electronic and Other Electric Equipment	4.0	4.0	4.1	.0	-.1
Nondurable Goods ^g	11.7	11.8	11.9	-.1	-.2
Food and Kindred Products	3.5	3.5	3.3	.0	.2
Rubber and Miscellaneous Plastics Products	2.8	2.8	3.2	.0	-.4
Service-Producing Industries	114.7	114.3	112.5	.4	2.2
Transportation and Public Utilities	5.7	5.7	5.7	.0	-.1
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.7	8.7	8.5	.0	.2
Retail Trade	33.9	33.9	33.4	.1	.6
General Merchandise Stores	4.1	4.0	4.2	.1	-.1
Food Stores	5.7	5.6	5.6	.1	.0
Finance, Insurance, and Real Estate	6.7	6.7	6.8	.0	-.1
Finance	3.9	3.9	3.9	.0	.0
Services	40.1	40.0	38.7	.1	1.4
Health Services	16.4	16.3	15.7	.1	.7
Nursing and Personal Care Facilities	3.9	3.9	3.7	.0	.1
Hospitals	7.6	7.6	7.4	.1	.2
Government	19.6	19.4	19.4	.2	.2
Federal Government	1.4	1.4	1.3	.0	.0
State Government (Includes Education)	1.7	1.7	1.7	.0	.0
Local Government	16.6	16.3	16.3	.2	.2
Local Government Education	10.2	9.7	9.9	.5	.3

Canton MSA

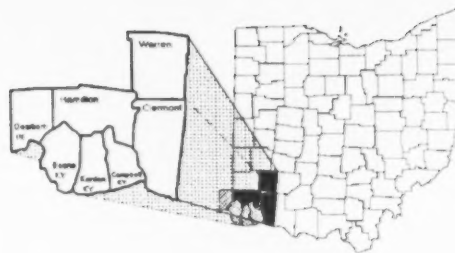
Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c
Manufacturing.....	\$488.14	\$491.63	\$456.08	42.3	42.9	41.2	\$11.54	\$11.46	\$11.07
Durable Goods ^d	507.51	510.69	481.62	42.9	43.5	42.1	11.83	11.74	11.44
Primary Metal Industries.....	572.62	564.11	473.06	45.7	45.9	41.1	12.53	12.29	11.51
Fabricated Metal Products.....	442.26	448.51	546.92	40.5	40.7	45.2	10.92	11.02	12.10
Electronic and Other Electric Equipment.....	587.70	584.44	542.02	41.3	41.1	41.0	14.23	14.22	13.22
Nondurable Goods ^e	432.48	429.22	394.52	40.8	40.8	39.1	10.60	10.52	10.09
Food and Kindred Products.....	434.11	435.11	397.76	39.9	39.7	38.1	10.88	10.96	10.44
Rubber and Miscellaneous Plastics Products.....	387.69	389.54	389.76	40.3	40.2	40.6	9.62	9.69	9.60
Transportation and Public Utilities.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services.....	605.62	600.06	588.47	40.7	41.1	40.5	14.88	14.60	14.53
Wholesale Trade.....	385.84	385.67	377.42	38.7	38.8	38.2	9.97	9.94	9.88
Retail Trade ^f	174.86	175.77	167.51	27.8	27.9	28.2	6.29	6.30	5.94
General Merchandise Stores.....	194.17	194.42	185.18	28.1	28.3	29.3	6.91	6.87	6.32
Food Stores.....	173.13	171.05	158.85	29.0	28.7	27.2	5.97	5.96	5.84
Services.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nursing and Personal Care Facilities.....	190.53	193.37	173.73	30.1	30.5	29.1	6.33	6.34	5.97

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes mining. ^fIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. ^gIncludes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^hMoney payments only; tips not included. ⁱDepressed due to labor-management disputes.

Cincinnati Primary Metropolitan Statistical Area



Nonfarm wage and salary employment in the Cincinnati metropolitan area rose 1,400 above the September level to 762,100 in October 1990. Employment in service-producing industries increased 1,700. The continued return of nonteaching personnel in state and local schools and colleges and gains in retail trade outweighed seasonal declines in services, especially amusements, including motion pictures, and less business in finance, insurance, and real estate. The workforce in goods-producing industries, at 187,400, lost 400 jobs. Seasonal layoffs in construction negated scattered gains in manufacturing, especially chemicals and allied products and printing and publishing. Factory production workers averaged \$12.17 per hour, down fractionally from September. Their average workweek was 0.4 hours shorter at 43.0 hours.

Nonagricultural payroll employment advanced 23,000 between October 1989 and October 1990. Improvements in service-producing industries contributed 94.3 percent of the gain. Leading growth areas were services (+8,800) and retail trade (+6,800). Moderate expansion was posted in local government, transportation and public utilities, and wholesale trade. Gains in manufacturing raised employment in the goods-producing sector 1,300. Over-the-year increases in chemicals and allied products, printing and publishing, and transportation equipment more than offset reductions in electronic and other electric equipment and apparel and other textile products.

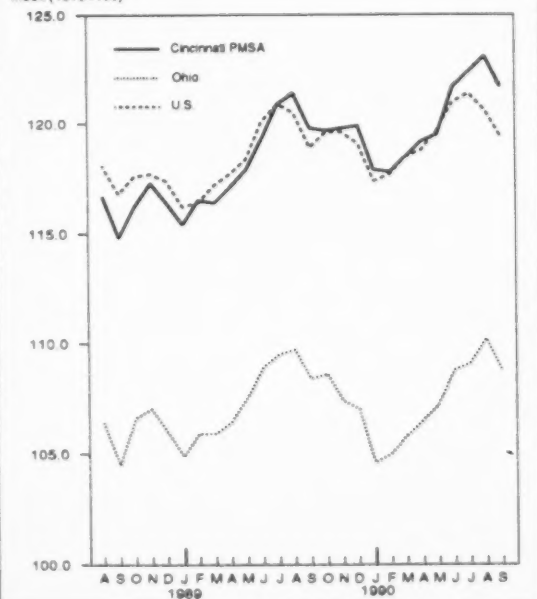
Seasonally adjusted employment in the Cincinnati area increased 3,000 from September to 756,000 in October 1990. Gains in services, government, and manufacturing overshadowed a decline in construction. Since October 1989, total payroll employment advanced 23,000. Primary areas of expansion were services (+9,000), retail trade (+6,000), and government (+3,000). Noteworthy growth occurred in wholesale trade, transportation and public utilities, and manufacturing.

Indexes of Total Employment

Cincinnati PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

(Index 1979=100)

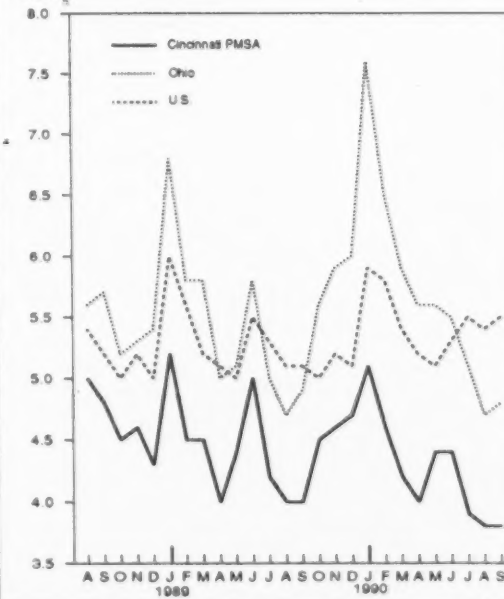


Unemployment Rates

Cincinnati PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

Percent



Cincinnati PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment								
								Manufacturing Employment			Hours & Earnings		
									Manufacturing Production Workers				
									Average Weekly Earnings	Average Weekly Hours				Average Hourly Earnings
Total	Employed	Total	Rate										
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	\$303.37	41.5	\$ 7.31			
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06			
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78			
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57			
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11			
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56			
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67			
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76			
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95			
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23			
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60			
				1989									
787.4	751.9	35.5	4.5	October	739.2	148.8	94.3	508.21	43.4	11.71			
788.5	752.2	36.3	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75			
790.7	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64			
				1990									
779.7	740.3	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73			
775.6	739.7	35.9	4.6	February	727.9	149.1	93.9	498.53	42.5	11.73			
777.2	744.5	32.7	4.2	March	735.1	148.3	93.1	515.70	43.3	11.91			
780.3	748.7	31.5	4.0	April	744.8	147.8	92.7	490.73	41.8	11.74			
784.6	750.3	34.3	4.4	May	753.0	148.0	92.8	519.60	43.3	12.00			
799.2	764.1	35.1	4.4	June	758.8	148.8	93.4	528.00	43.6	12.11			
800.4	768.8	31.6	3.9	July	754.7	148.7	93.3	516.86	43.0	12.02			
803.6	773.5	30.2	3.8	August	756.1	148.9	93.5	529.83	43.5	12.18			
794.1	764.1	30.1	3.8	September	760.8	149.8	94.5	529.48	43.4	12.20			
INA	INA	INA	INA	October	762.1	150.2	95.2	523.31	43.0	12.17			

INA - Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
733	183	34	148	October	551	40	48	145	43	185	90
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	187	36	151	February	557	41	49	148	43	186	91
746	186	36	150	March	560	41	49	149	43	188	91
746	185	36	149	April	561	41	49	150	43	187	91
749	185	36	149	May	564	41	49	151	43	188	92
752	185	36	149	June	567	41	50	151	43	189	93
753	184	35	149	July	569	41	50	151	43	189	95
754	184	36	148	August	570	41	50	152	43	190	94
753	184	35	148	September	569	41	50	151	43	191	92
756	184	34	149	October	572	41	50	151	43	194	93

Cincinnati PMSA

**Nonagricultural
Wage and Salary
Employment^a**

Not Seasonally Adjusted

	Employment (in thousands)			Change ^d (in thousands)	
	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^e	From Last Month	From Last Year
Total	762.1	760.8	739.2	1.4	23.0
Goods-Producing Industries^g	187.4	187.7	186.0	-4	1.3
Construction	36.7	37.5	36.8	-8	-1
Manufacturing	150.2	149.8	148.8	.5	1.4
Durable Goods ^f	80.5	80.7	80.5	-2	.0
Fabricated Metal Products	12.4	12.3	12.4	.1	.0
Fabricated Structural Metal Products	4.7	4.6	4.5	.0	.1
Industrial Machinery and Equipment	19.3	19.3	19.4	.1	.0
Electronic and Other Electric Equipment	7.6	7.6	8.0	.0	-4
Transportation Equipment	24.9	25.0	24.4	-1	.5
Motor Vehicles and Equipment	5.0	5.0	4.8	.0	.2
Instruments and Related Products	3.5	3.6	3.7	.0	-2
Nondurable Goods ^g	69.7	69.1	68.3	.6	1.4
Food and Kindred Products	12.4	12.3	12.4	.1	.0
Beverages	3.0	2.9	2.9	.0	.1
Apparel and Other Textile Products	3.4	3.4	3.8	.0	-4
Paper and Allied Products	6.1	6.1	6.0	.0	.1
Printing and Publishing	15.0	14.8	14.4	.2	.7
Commercial Printing	6.6	6.5	6.4	.1	.3
Chemicals and Allied Products	23.0	22.7	22.3	.3	.8
Rubber and Miscellaneous Plastics Products	7.1	7.1	6.9	.1	.2
Service-Producing Industries	574.8	573.1	553.1	1.7	21.7
Transportation and Public Utilities	41.9	42.0	40.5	-1	1.5
Transportation	25.4	25.5	24.2	-1	1.2
Trucking and Warehousing	11.4	11.5	11.0	-1	.4
Transportation by Air	7.0	6.9	6.2	.1	.8
Communications, Electric, Gas Services	16.5	16.5	16.3	.0	.2
Communications	9.6	9.7	9.9	.0	-2
Wholesale Trade	49.8	49.6	48.4	.2	1.3
Wholesale Trade-Durable Goods	29.2	29.1	28.8	.2	.4
Retail Trade	152.6	152.2	145.8	.4	6.8
General Merchandise Stores	23.2	22.6	21.8	.6	1.4
Finance, Insurance, and Real Estate	43.1	43.4	42.7	-3	.4
Finance	17.7	17.6	17.3	.1	.4
Depository Institutions	13.9	13.8	13.6	.1	.3
Commercial Banks	9.8	9.7	9.4	.1	.4
Insurance	16.9	16.9	17.0	.0	-1
Insurance Carriers	14.1	14.1	14.3	.0	-2
Life Insurance	6.6	6.6	6.8	.0	-2
Fire, Marine, and Casualty Insurance	5.4	5.4	5.0	.0	.3
Services	193.7	194.3	184.9	-6	8.8
Hotels and Other Lodging Places	7.7	7.8	7.3	-1	.4
Personal Services	8.7	8.6	8.3	.0	.4
Business Services	38.8	38.8	37.5	.0	1.2
Services to Buildings	6.2	6.2	5.9	.0	.2
Computer and Data Processing Services	5.0	5.0	4.6	.0	.4
Amusements, Including Motion Pictures	12.6	14.0	10.3	-1.4	2.3
Health Services	58.7	58.6	56.4	.1	2.3
Nursing and Personal Care Facilities	11.3	11.3	11.0	.0	.3
Hospitals	27.9	27.8	26.9	.0	1.0
Legal Services	4.8	4.7	4.4	.1	.3
Educational Services	7.2	6.7	7.2	.5	.0
Social Services	12.6	12.7	12.3	-1	.4
Residential Care	5.0	5.0	4.8	.0	.2
Engineering and Management Services	17.5	17.3	16.4	.2	1.2
Engineering and Architectural Services	6.0	6.0	5.6	.0	.5
Government	93.7	91.6	90.9	2.2	2.9
Federal Government	15.9	16.0	15.6	-1	.3
State Government	21.3	20.0	20.9	1.3	.4
State Government Education ^h	13.0	11.7	12.8	1.4	.3
Local Government	56.5	55.5	54.4	1.0	2.2
Local Government Education	32.3	30.9	30.9	1.4	1.4

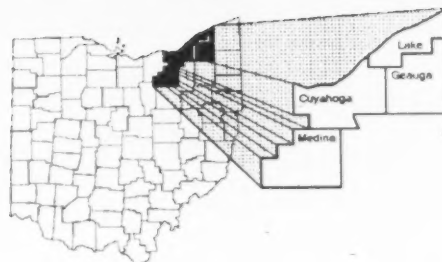
Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c
Manufacturing.....	\$523.31	\$529.48	\$508.21	43.0	43.4	43.4	\$12.17	\$12.20	\$11.71
Durable Goods ^d	524.02	527.66	502.55	43.2	43.5	43.7	12.13	12.13	11.50
Fabricated Metal Products.....	444.87	447.98	425.27	42.9	43.2	43.0	10.37	10.37	9.89
Fabricated Structural Metal Products.....	526.44	521.10	484.37	45.5	45.0	45.1	11.57	11.58	10.74
Industrial Machinery and Equipment.....	482.94	484.08	468.17	42.4	42.5	42.6	11.39	11.39	10.99
Electronic and Other Electric Equipment.....	386.37	403.79	373.01	40.5	41.8	41.4	9.54	9.66	9.01
Transportation Equipment.....	826.16	825.80	787.04	47.7	47.9	47.1	17.32	17.24	16.71
Motor Vehicles and Equipment.....	953.01	966.66	867.60	50.8	51.2	48.2	18.76	18.88	18.00
Instruments and Related Products.....	422.40	432.10	361.25	44.0	44.5	45.1	9.60	9.71	8.01
Nondurable Goods ^e	522.16	530.86	514.18	42.8	43.3	43.1	12.20	12.26	11.93
Food and Kindred Products.....	479.97	498.50	517.14	41.7	42.9	44.2	11.51	11.62	11.70
Beverages.....	544.85	554.73	552.86	40.6	41.0	42.3	13.42	13.53	13.07
Apparel and Other Textile Products.....	272.55	269.60	250.49	39.5	39.3	39.2	6.90	6.86	6.39
Paper and Allied Products.....	471.84	467.08	464.77	42.7	42.5	42.6	11.05	10.99	10.91
Printing and Publishing.....	515.41	533.35	495.51	41.7	42.6	41.5	12.36	12.52	11.94
Commercial Printing.....	549.76	587.88	531.33	44.3	46.0	44.5	12.41	12.78	11.94
Chemicals and Allied Products.....	645.01	650.48	633.93	43.7	44.1	44.3	14.76	14.75	14.31
Rubber and Miscellaneous Plastics Products.....	460.29	465.32	404.12	46.4	46.3	42.9	9.92	10.05	9.42
Transportation and Public Utilities.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services.....	601.20	603.10	593.73	40.0	40.1	40.5	15.03	15.04	14.66
Communications.....	588.26	608.34	593.42	38.6	39.4	39.8	15.24	15.44	14.91
Wholesale Trade.....	449.01	448.33	433.71	39.7	39.5	39.5	11.31	11.35	10.98
Retail Trade ^f	178.00	177.80	172.17	27.9	28.0	28.6	6.38	6.35	6.02
General Merchandise Stores.....	218.89	224.70	203.18	29.5	30.0	30.1	7.42	7.49	6.75
Finance, Insurance, and Real Estate.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Depository Institutions.....	304.61	301.49	292.72	.....	.....	.....	.....	.....	.....
Commercial Banks.....	276.12	269.56	262.64	.....	.....	.....	.....	.....	.....
Insurance.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Insurance Carriers.....	416.33	415.40	405.94	.....	.....	.....	.....	.....	.....
Life Insurance.....	420.78	419.83	416.16	.....	.....	.....	.....	.....	.....
Fire, Marine, and Casualty Insurance.....	436.19	431.34	423.21	.....	.....	.....	.....	.....	.....
Services.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals.....	438.86	438.54	401.17	32.8	32.8	32.3	13.38	13.37	12.42
Engineering and Management Services.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Engineering and Architectural Services.....	655.55	651.49	655.70	41.1	41.0	41.5	15.95	15.89	15.80

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes mining. ^fIncludes lumber and wood products, furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. ^gIncludes tobacco products; textile mill products; petroleum and coal products; leather and leather products. ^hIncludes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. ⁱMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

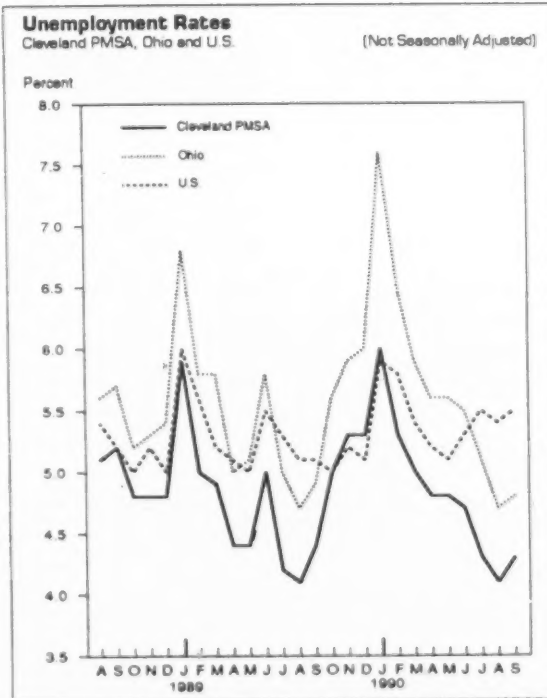
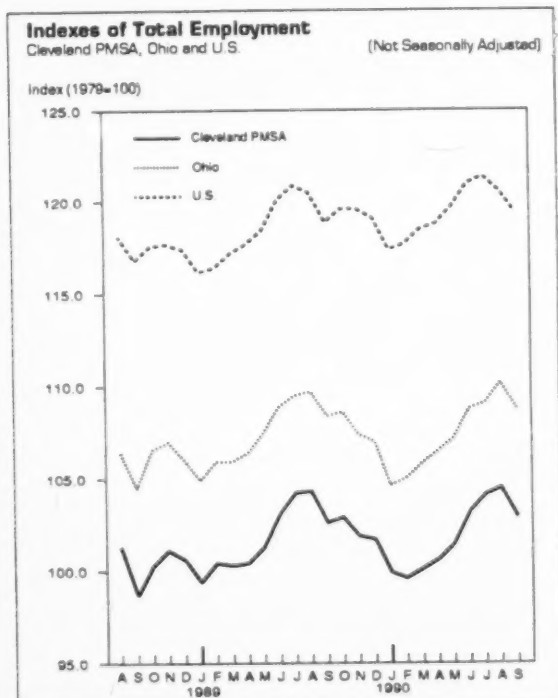
Cleveland Primary Metropolitan Statistical Area



In the Cleveland metropolitan area, total nonfarm payroll employment increased 500 above the September level to 964,900 in October 1990. Service-producing industries added 600 employees. The continued return of nonteaching personnel in local and private schools more than offset seasonal layoffs in services, especially amusements, including motion pictures, and business services. The workforce in goods-producing industries decreased 100 over the month to 245,100. Less business in construction negated nominal gains among manufacturers of nondurable and durable goods, particularly fabricated metal products. Factory production workers averaged \$12.30 per hour, little changed from September. Their average workweek remained at 43.1 hours.

Nonagricultural wage and salary employment advanced 17,200 between October 1989 and October 1990. Employment in service-producing industries increased 16,300, a 2.3 percent growth rate. A major portion of the improvement occurred in services (+6,600) and retail trade (+5,400). Noteworthy gains were posted in wholesale trade, local government, and finance, insurance, and real estate. The number of employees in goods-producing industries rose 900 mainly due to expansion in construction. Manufacturing remained at the year-ago level as reductions in industrial machinery and equipment and primary metal industries counterbalanced growth in fabricated metal products, printing and publishing, and stone, clay, and glass products.

Seasonally adjusted employment in the Cleveland area increased 1,000 from September to 958,000 in October 1990. Upturns in manufacturing and government outweighed a decline in services. Since October 1989, total payroll employment advanced 17,000. Although nearly all industries posted gains over the year, leading areas of expansion were services (+7,000) and retail trade (+6,000).



Cleveland PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment						
Total	Employed	Unemployed					Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers				
							Hours & Earnings				
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings		
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	\$337.60	42.2	\$ 8.00	
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63	
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62	
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10	
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45	
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86	
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19	
932.8	862.7	70.1	7.5	1986	879.2	204.9	151.5	481.62	42.1	11.44	
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57	
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72	
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83	
				1989							
963.3	915.2	48.1	5.0	October	947.7	207.4	133.3	507.94	42.9	11.84	
956.2	905.8	50.5	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86	
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90	
				1990							
945.1	888.0	57.1	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71	
935.5	885.7	49.8	5.3	February	928.4	206.6	132.3	502.60	42.2	11.91	
936.8	890.1	46.7	5.0	March	936.0	206.1	131.8	522.88	43.0	12.16	
939.2	894.4	44.9	4.8	April	947.1	206.7	132.1	498.78	41.6	11.99	
947.1	901.5	45.5	4.8	May	958.9	207.2	132.4	531.72	43.3	12.28	
962.5	917.2	45.3	4.7	June	969.3	208.1	133.0	534.25	43.4	12.31	
967.6	925.6	42.1	4.3	July	966.6	207.3	131.8	514.74	42.4	12.14	
968.6	929.3	39.3	4.1	August	960.2	205.6	130.8	518.38	42.7	12.14	
956.0	915.3	40.8	4.3	September	964.4	207.0	132.7	530.56	43.1	12.31	
INA	INA	INA	INA	October	964.9	207.4	133.2	530.13	43.1	12.30	

INA - Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
941	241	33	207	October	700	42	67	160	57	253	120
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
949	243	34	208	February	706	43	68	162	57	256	120
952	242	34	207	March	710	43	68	163	58	258	121
954	242	34	208	April	711	43	68	164	58	258	120
957	242	34	207	May	715	43	68	164	58	259	122
958	242	34	207	June	716	43	69	165	58	260	122
957	242	34	207	July	714	43	68	166	58	261	119
953	241	34	206	August	712	43	69	166	58	262	115
957	241	34	206	September	716	43	69	166	58	261	120
958	241	34	207	October	716	43	69	166	58	260	121

Nonagricultural Wage and Salary Employment^a

Not Seasonally Adjusted

Nonagricultural Wage and Salary Employment ^a	Employment (in thousands)			Change ^d (in thousands)	
	Oct 1990 ^e	Sep 1990 ^e	Oct 1989 ^e	From Last Month	From Last Year
Not Seasonally Adjusted					
Total	964.9	964.4	947.7	5	17.2
Goods-Producing Industries ^a	245.1	245.1	244.1	-1	9
Construction	36.8	37.3	35.9	-5	9
Special Trade Contractors	25.0	25.2	24.6	-2	4
Manufacturing	207.4	207.0	207.4	4	0
Durable Goods	140.9	140.8	141.8	1	-9
Stone, Clay, and Glass Products	3.8	3.8	3.6	0	3
Primary Metal Industries	20.9	21.0	21.4	-1	-5
Iron and Steel Foundries	4.2	4.2	4.5	0	-3
Fabricated Metal Products	34.6	34.2	33.8	4	8
Screw Machine Products, Bolts, etc.	5.0	5.0	5.1	0	-1
Metal Forgings and Stampings	11.1	10.8	10.6	3	4
Industrial Machinery and Equipment	32.7	32.8	34.0	-1	-12
Metalworking Machinery	12.9	12.9	13.0	0	-1
Electronic and Other Electric Equipment	15.2	15.4	15.3	-1	-1
Electrical Industrial Apparatus	4.3	4.3	4.5	0	-2
Electric Lighting and Wiring Equipment	5.0	5.1	5.2	0	-2
Transportation Equipment	19.1	19.2	19.3	-1	-1
Motor Vehicles and Equipment	12.0	12.1	12.2	-1	-2
Instruments and Related Products	7.0	7.0	7.1	1	0
Measuring and Controlling Devices	5.2	5.2	4.9	0	3
Nondurable Goods ^g	66.5	66.2	65.6	3	9
Food and Kindred Products	6.8	6.8	6.7	0	1
Apparel and Other Textile Products	3.3	3.2	3.2	0	1
Paper and Allied Products	5.8	5.7	6.0	1	-1
Printing and Publishing	17.5	17.4	17.1	1	4
Chemicals and Allied Products	14.9	15.0	14.6	-1	2
Rubber and Miscellaneous Plastics Products	12.2	12.1	12.0	1	2
Miscellaneous Plastics Products	7.9	7.8	7.6	1	3
Service-Producing Industries	719.8	719.3	703.6	6	16.3
Transportation and Public Utilities	43.4	43.5	42.9	-1	5
Transportation	26.6	26.7	25.4	-1	12
Trucking and Warehousing	11.9	11.9	11.8	0	1
Transportation by Air	5.5	5.5	5.0	-1	5
Communications, Electric, Gas Services	16.8	16.8	17.5	0	-7
Communications	10.0	10.0	10.2	0	-2
Electric, Gas, and Sanitary Services	6.8	6.7	7.3	0	-5
Wholesale Trade	68.7	68.7	67.1	0	1.7
Wholesale Trade-Durable Goods	46.8	46.9	45.7	0	1.2
Motor Vehicles, Parts, and Supplies	4.0	4.1	4.1	-1	-1
Professional and Commercial Equipment	9.1	9.2	9.1	0	0
Retail Trade	166.7	166.9	161.3	-2	5.4
General Merchandise Stores	21.4	21.2	21.1	3	3
Finance, Insurance, and Real Estate	57.9	58.2	56.9	-3	1.0
Finance	27.9	28.1	27.7	-2	2
Depository Institutions	20.7	20.8	20.5	-1	1
Commercial Banks	12.9	13.0	13.0	-1	-1
Insurance	18.8	18.7	18.4	0	4
Insurance Carriers	14.2	14.2	13.9	0	3
Fire, Marine, and Casualty Insurance	6.4	6.4	6.3	0	1
Services	262.8	264.8	256.2	-2.0	6.6
Business Services	55.2	56.1	53.0	-1.0	2.2
Personnel Supply Services	21.3	21.7	20.5	-4	9
Computer and Data Processing Services	7.1	7.1	6.6	0	6
Amusements, Including Motion Pictures	11.3	13.1	11.4	-1.7	-1
Health Services	80.5	80.6	79.3	0	1.2
Nursing and Personal Care Facilities	13.7	13.8	13.4	-1	3
Hospitals	43.9	44.0	44.0	-1	-1
Legal Services	9.7	9.9	9.5	-2	2
Educational Services	18.9	17.1	18.5	1.8	4
Social Services	14.2	14.2	13.6	1	6
Residential Care	4.0	3.9	3.6	0	3
Engineering and Management Services	22.6	22.7	21.6	0	1.0
Engineering and Architectural Services	8.2	8.3	8.0	-1	2
Accounting, Auditing, and Bookkeeping	6.7	6.6	6.5	1	3
Management and Public Relations	4.9	5.0	4.5	-1	4
Government	120.4	117.2	119.2	3.1	1.2
Federal Government	19.6	19.7	20.6	-1	-1.0
State Government	8.2	7.6	7.8	6	3
State Government Education ^h	3.2	2.5	3.0	7	2
Local Government	92.6	90.0	90.7	2.6	1.9
Local Government Education	46.9	43.9	47.0	3.1	0

Cleveland PMSA

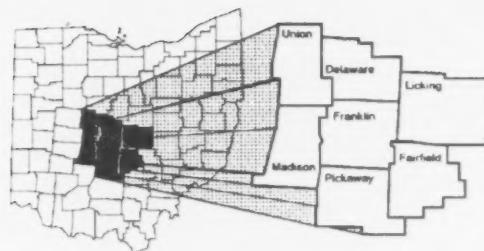
Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c
Manufacturing.....	\$530.13	\$530.56	\$507.94	43.1	43.1	42.9	\$12.30	\$12.31	\$11.84
Durable Goods ^d	564.58	563.29	537.66	43.8	43.7	43.5	12.89	12.89	12.36
Stone, Clay, and Glass Products.....	513.42	520.45	492.82	43.0	42.8	41.8	11.94	12.16	11.79
Primary Metal Industries.....	547.58	568.16	532.61	44.7	45.2	44.2	12.25	12.57	12.05
Iron and Steel Foundries.....	833.34	967.61	854.06	46.4	50.9	47.9	17.96	19.01	17.83
Fabricated Metal Products.....	578.56	558.99	537.03	44.3	43.4	43.1	13.06	12.88	12.46
Screw Machine Products, Bolts, etc.....	518.50	535.73	515.31	42.5	43.1	42.8	12.20	12.43	12.04
Metal Forgings and Stampings.....	736.89	721.55	666.35	46.2	45.9	44.1	15.95	15.72	15.11
Industrial Machinery and Equipment.....	563.85	544.00	534.75	45.0	43.8	44.6	12.53	12.42	11.99
Metalworking Machinery.....	544.45	523.23	552.64	44.3	43.1	45.9	12.29	12.14	12.04
Electronic and Other Electric Equipment.....	426.77	424.04	415.95	40.8	40.5	40.7	10.46	10.47	10.22
Electrical Industrial Apparatus.....	446.64	440.54	430.92	42.7	42.4	42.0	10.46	10.39	10.26
Electric Lighting and Wiring Equipment.....	403.97	405.41	376.94	38.4	38.5	38.7	10.52	10.53	9.74
Transportation Equipment.....	753.67	778.60	719.43	44.1	45.8	44.3	17.09	17.00	16.24
Motor Vehicles and Equipment.....	819.50	852.85	801.90	43.8	46.1	45.0	18.71	18.50	17.82
Instruments and Related Products.....	464.94	470.22	431.39	42.0	42.4	41.6	11.07	11.09	10.37
Measuring and Controlling Devices.....	470.95	477.22	466.99	42.2	42.8	43.2	11.16	11.15	10.81
Nondurable Goods ^d	448.62	451.36	434.06	41.5	41.6	41.3	10.81	10.85	10.51
Food and Kindred Products.....	427.25	471.55	449.03	38.7	41.4	41.5	11.04	11.39	10.82
Apparel and Other Textile Products.....	397.40	385.23	370.75	39.9	38.6	38.7	9.96	9.98	9.58
Paper and Allied Products.....	534.17	523.61	470.80	45.5	45.1	42.8	11.74	11.61	11.00
Printing and Publishing.....	404.83	395.20	379.10	38.3	38.0	38.1	10.57	10.40	9.95
Chemicals and Allied Products.....	557.63	570.28	546.08	42.6	43.4	43.1	13.09	13.14	12.67
Rubber and Miscellaneous Plastics Products.....	391.30	392.11	387.43	43.0	42.9	43.0	9.10	9.14	9.01
Miscellaneous Plastics Products.....	397.98	401.45	395.45	43.4	43.4	43.6	9.17	9.25	9.07
Transportation and Public Utilities.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trucking and Warehousing.....	512.65	530.29	441.78	35.7	36.8	32.7	14.36	14.41	13.51
Communications, Electric, Gas Services.....	645.93	656.46	625.55	41.7	42.0	41.4	15.49	15.63	15.11
Wholesale Trade.....	469.66	470.45	453.07	39.5	39.5	39.5	11.89	11.91	11.47
Retail Trade ^e	193.60	193.76	184.95	27.5	28.0	27.4	7.04	6.92	6.75
General Merchandise Stores.....	197.78	197.97	188.27	29.0	28.9	28.1	6.82	6.85	6.70
Finance, Insurance, and Real Estate.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance.....	323.03	323.87	319.67	.....	.....	.....	.....	.....	.....
Depository Institutions.....	294.09	297.05	296.53	.....	.....	.....	.....	.....	.....
Commercial Banks.....	236.81	286.68	286.42	.....	.....	.....	.....	.....	.....
Services.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services.....	343.51	344.46	318.37	31.2	31.4	31.0	11.01	10.97	10.27
Nursing and Personal Care Facilities.....	248.91	247.75	217.06	33.1	33.3	32.3	7.52	7.44	6.72
Hospitals.....	375.14	376.07	353.60	30.4	30.5	30.3	12.34	12.33	11.67

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes mining. ^fIncludes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. ^gIncludes tobacco products; textile mill products; petroleum and coal products; leather and leather products. ^hIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ⁱMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

Columbus Metropolitan Statistical Area



Nonfarm wage and salary employment in the Columbus metropolitan area rose 7,000 above the September level to 737,200 in October 1990. The return of nonteaching personnel in state and local schools and colleges and more business in retail trade added 7,400 jobs in the service-producing sector. Employment in goods-producing industries declined 400 over the month to 139,100. Seasonal layoffs in construction negated modest increases in manufacturing. Nominal gains in electronic and other electric equipment, food and kindred products, printing and publishing, and rubber and miscellaneous plastics products outweighed reductions in instruments and related products and fabricated metal products. Factory production workers averaged \$12.61 per hour, up 6 cents from September. Their average workweek of 42.1 hours was 0.1 hours shorter.

Nonagricultural payroll employment advanced 24,300 between October 1989 and October 1990. Improvements in service-producing industries contributed 94.3 percent of the gain. Leading growth areas were services (+8,300) and retail trade (+7,900). Noteworthy expansion was posted in state and local government, wholesale trade, and finance, insurance, and real estate. Gains in manufacturing and construction raised employment in goods-producing industries 1,500 during the period. Increased production in industrial machinery and equipment, transportation equipment, stone, clay, and glass products, and food and kindred products more than offset cutbacks in instruments and related products and fabricated metal products.

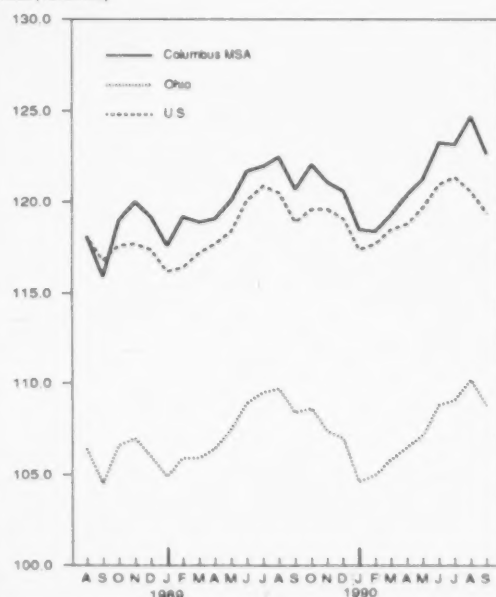
Seasonally adjusted employment in the Columbus area rose 1,000 from September to 729,000 in October 1990 mainly due to increases in manufacturing, retail trade, and government. Since October 1989, total payroll employment advanced 24,000. A major portion of the growth occurred in retail trade (+8,000), services (+8,000), and government (+4,000).

Indexes of Total Employment

Columbus MSA, Ohio and U.S.

[Not Seasonally Adjusted]

Index (1979=100)

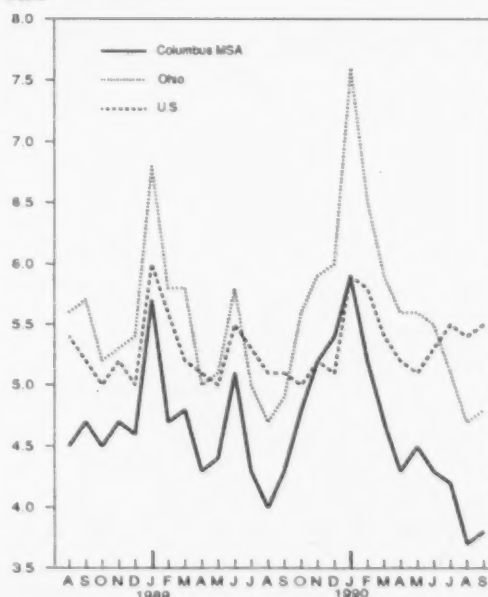


Unemployment Rates

Columbus MSA, Ohio and U.S.

[Not Seasonally Adjusted]

Percent



Columbus MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total	Employed	Unemployed						Manufacturing Production Workers		
		Total	Rate					Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	\$426.06	40.5	\$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
740.3	704.9	35.4	4.8	October	712.9	105.5	70.5	512.02	41.9	12.22
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
727.2	684.3	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
720.9	683.7	37.2	5.2	February	701.8	104.2	69.5	520.36	42.1	12.36
722.8	689.0	33.8	4.7	March	709.1	104.2	69.8	512.10	41.6	12.31
726.7	695.5	31.2	4.3	April	719.7	104.8	70.2	501.43	40.9	12.26
733.4	700.7	32.7	4.5	May	727.3	104.9	70.1	514.58	41.7	12.34
744.2	712.0	32.2	4.3	June	734.0	105.7	70.6	520.80	42.0	12.40
742.4	711.6	30.8	4.2	July	724.0	104.2	68.9	524.15	42.1	12.45
747.6	720.2	27.4	3.7	August	726.4	105.5	70.3	515.41	41.7	12.36
736.8	708.4	28.3	3.8	September	730.2	106.0	70.9	529.61	42.2	12.55
INA	INA	INA	INA	October	737.2	106.4	71.2	530.88	42.1	12.61

INA - Information not available

Columbus MSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
705	135	29	105	October	570	31	37	145	60	173	125
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	37	147	61	175	126
717	136	30	105	March	581	31	38	148	61	176	127
721	136	30	105	April	585	32	38	150	61	178	128
724	137	30	105	May	588	32	38	150	61	179	128
727	137	30	106	June	591	32	38	151	61	179	129
728	135	30	104	July	593	31	38	152	61	180	130
730	137	30	105	August	593	31	38	153	61	181	128
728	136	30	105	September	592	32	38	152	61	181	128
729	136	30	106	October	593	32	38	153	61	181	129

Columbus MSA

Nonagricultural Wage and Salary Employment^a

Not Seasonally Adjusted

	Employment (in thousands)			Change ^d (in thousands)	
	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	From Last Month	From Last Year
Total	737.2	730.2	712.9	7.0	24.3
Goods-Producing Industries^e	139.1	139.5	137.6	-.4	1.5
Construction	31.8	32.6	31.2	-.8	.6
Manufacturing	106.4	106.0	105.5	.4	.8
Durable Goods ^f	66.4	66.4	66.1	.0	.3
Stone, Clay, and Glass Products	10.4	10.4	10.0	.0	.4
Glass and Glassware, Pressed or Blown	3.6	3.6	3.5	.0	.1
Fabricated Metal Products	9.6	9.7	9.9	-.1	-.3
Industrial Machinery and Equipment	9.9	9.9	9.3	.0	.6
Electronic and Other Electric Equipment	9.2	9.1	9.4	.1	-.2
Transportation Equipment	14.5	14.5	14.0	.0	.5
Motor Vehicles and Equipment	13.4	13.4	13.4	.0	.1
Instruments and Related Products	4.4	4.5	4.9	-.2	-.5
Nondurable Goods ^g	40.0	39.6	39.4	.4	.6
Food and Kindred Products	11.2	11.1	10.9	.1	.3
Dairy Products	4.4	4.4	4.0	.0	.4
Printing and Publishing	11.1	11.0	10.9	.1	.2
Chemicals and Allied Products	6.8	6.8	6.8	.0	.0
Rubber and Miscellaneous Plastics Products	6.5	6.4	6.3	.1	.2
Service-Producing Industries	598.1	590.7	575.4	7.4	22.7
Transportation and Public Utilities	32.1	32.1	31.2	-.1	.8
Transportation	19.8	19.9	18.9	-.1	1.0
Trucking and Warehousing	14.2	14.3	13.3	.0	1.0
Communications, Electric, Gas Services	12.2	12.2	12.3	.0	-.1
Communications	7.6	7.6	7.8	.0	-.2
Electric, Gas, and Sanitary Services	4.7	4.7	4.6	.0	.1
Wholesale Trade	38.6	38.4	37.4	.2	1.1
Wholesale Trade-Durable Goods	24.7	24.6	24.1	.1	.6
Motor Vehicles, Parts, and Supplies	3.2	3.2	3.1	.0	.2
Machinery, Equipment, and Supplies	5.6	5.5	5.4	.0	.1
Wholesale Trade-Nondurable Goods	13.9	13.7	13.3	.1	.6
Retail Trade	154.1	153.0	146.2	1.1	7.9
General Merchandise Stores	22.0	21.7	21.4	.3	.6
Food Stores	17.2	17.0	16.7	.2	.5
Automotive Dealers and Service Stations	15.1	15.2	14.3	-.1	.8
Finance, Insurance, and Real Estate	60.8	60.9	59.8	-.2	1.0
Finance	24.0	24.0	23.6	.0	.4
Depository Institutions	14.4	14.4	14.3	.0	.1
Commercial Banks	12.4	12.3	11.9	.0	.5
Insurance	27.7	27.7	27.5	.0	.2
Insurance Carriers	23.8	23.8	23.5	.0	.3
Services	182.8	183.1	174.5	-.3	8.3
Business Services	40.2	39.7	37.6	.5	2.6
Personnel Supply Services	15.3	15.0	13.6	.3	1.7
Health Services	47.5	47.4	45.0	.1	2.4
Nursing and Personal Care Facilities	8.2	8.3	8.1	.0	.2
Hospitals	22.0	22.0	20.8	.0	1.2
Legal Services	4.6	4.6	4.5	.0	.1
Educational Services	7.6	7.2	7.8	.4	-.2
Social Services	13.2	13.0	12.7	.2	.5
Engineering and Management Services	18.5	18.5	17.7	.0	.8
Engineering and Architectural Services	4.7	4.8	4.4	.0	.3
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.1	.0	.0
Research and Testing Services	6.2	6.3	6.1	.0	.2
Government	129.8	123.1	126.2	6.7	3.6
Federal Government	15.3	15.4	16.2	-.1	-.8
State Government	57.8	52.7	55.1	5.4	2.6
State Government Education ^h	24.6	19.1	23.1	5.5	1.5
Local Government	56.7	55.3	54.9	1.4	1.8
Local Government Education	34.4	32.8	33.2	1.6	1.2

Columbus MSA

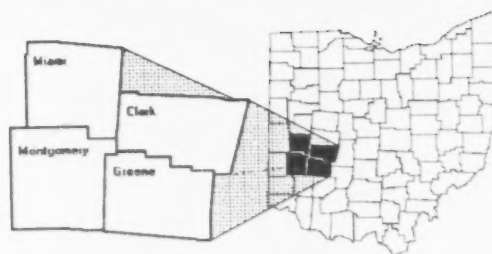
Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c
Manufacturing.....	\$530.88	\$529.61	\$512.02	42.1	42.2	41.9	\$12.61	\$12.55	\$12.22
Durable Goods ^d	550.80	549.98	524.58	42.5	42.7	42.0	12.96	12.88	12.49
Stone, Clay, and Glass Products.....	535.76	544.10	525.39	43.7	44.2	43.1	12.26	12.31	12.19
Glass and Glassware, Pressed or Blown.....	478.98	457.32	471.22	42.5	41.2	42.3	11.27	11.10	11.14
Fabricated Metal Products.....	526.50	528.36	508.23	40.5	40.8	40.4	13.00	12.95	12.58
Industrial Machinery and Equipment.....	550.47	538.02	486.57	44.5	44.1	41.2	12.37	12.20	11.81
Electronic and Other Electric Equipment.....	545.67	540.59	511.34	42.3	42.6	42.4	12.90	12.69	12.06
Transportation Equipment.....	667.06	663.80	649.82	44.5	44.7	44.6	14.99	14.85	14.57
Motor Vehicles and Equipment.....	663.08	660.96	653.07	44.0	44.3	44.7	15.07	14.92	14.61
Instruments and Related Products.....	408.10	417.37	402.56	38.5	39.3	39.7	10.60	10.62	10.14
Nondurable Goods ^e	493.07	489.46	484.97	41.4	41.2	41.7	11.91	11.88	11.63
Food and Kindred Products.....	447.32	447.96	415.75	42.2	42.3	40.8	10.60	10.59	10.19
Dairy Products.....	603.78	622.93	569.62	43.5	44.4	41.7	13.88	14.03	13.66
Printing and Publishing.....	591.89	557.39	557.35	41.8	39.7	40.3	14.16	14.04	13.83
Chemicals and Allied Products.....	657.90	657.71	653.87	43.0	43.1	44.3	15.30	15.26	14.76
Rubber and Miscellaneous Plastics Products.....	379.63	389.91	400.40	40.3	40.7	43.1	9.42	9.58	9.29
Transportation and Public Utilities.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trucking and Warehousing.....	437.71	448.64	378.56	33.8	34.3	29.3	12.95	13.08	12.92
Communications, Electric, Gas Services.....	683.91	683.03	659.43	43.7	43.7	43.7	15.65	15.63	15.09
Communications.....	595.50	594.71	595.68	39.7	39.7	40.8	15.00	14.98	14.60
Electric, Gas, and Sanitary Services.....	825.65	827.30	762.30	50.1	50.2	48.4	16.48	16.48	15.75
Wholesale Trade.....	406.07	409.34	395.78	38.6	38.8	38.5	10.52	10.55	10.28
Retail Trade ^f	183.33	185.09	182.75	27.0	27.3	27.9	6.79	6.78	6.55
General Merchandise Stores.....	208.88	209.48	203.04	28.0	28.5	28.8	7.46	7.35	7.05
Food Stores.....	187.76	193.77	188.67	26.9	27.8	26.8	6.98	6.97	7.04
Finance, Insurance, and Real Estate.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance.....	463.99	457.04	428.50	.....	.....	.....	.....	.....	.....
Depository Institutions.....	300.72	295.09	281.67	.....	.....	.....	.....	.....	.....
Commercial Banks.....	297.77	292.90	279.65	.....	.....	.....	.....	.....	.....
Services.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nursing and Personal Care Facilities.....	238.28	240.35	225.27	32.2	32.7	32.6	7.40	7.35	6.91
Hospitals.....	403.58	410.90	392.16	34.0	34.5	34.4	11.87	11.91	11.40
Engineering and Management Services.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Engineering and Architectural Services.....	497.35	490.04	480.03	39.1	38.8	38.9	12.72	12.63	12.34

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes mining. ^fIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. ^gIncludes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^hIncludes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

Dayton-Springfield Metropolitan Statistical Area



Nonfarm payroll employment in the Dayton-Springfield metropolitan area totaled 462,500 in October 1990, unchanged from the September level. The continued return of nonteaching personnel in local and private schools added 1,000 jobs in the service-producing sector. Cutbacks among manufacturers of durable and nondurable goods, especially transportation equipment and printing and publishing, and seasonal layoffs in construction lowered employment in goods-producing industries 1,000 over the month to 123,200. Factory production worker average hourly earnings were on par with September at \$13.69. Their average workweek of 42.7 hours was 0.4 hours shorter.

Nonagricultural wage and salary employment advanced 9,200 between October 1989 and October 1990. Improvements in the service-producing sector contributed 75.0 percent of the gain. Leading growth industries were services, particularly business and health services, retail trade, and local government. Employment in goods-producing industries increased 2,200 above the year-ago level. Temporary shutdowns in manufacturing greatly reduced employment in transportation equipment in October 1989. Growth in paper and allied products partially offset over-the-year production cutbacks in industrial machinery and equipment and rubber and miscellaneous plastics products. Construction employment declined 400.

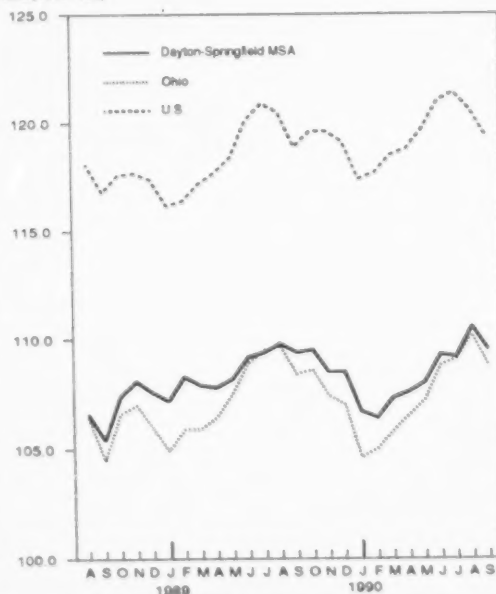
Seasonally adjusted employment in the Dayton-Springfield area dropped 1,000 from September to 457,000 in October 1990. Reductions were posted in wholesale trade and finance, insurance, and real estate. Over the year, total payroll employment advanced 9,000 mainly due to the recall of manufacturing employees from temporary layoffs in transportation equipment and expansion in services and retail trade.

Indexes of Total Employment

Dayton-Springfield MSA, Ohio and U.S.

[Not Seasonally Adjusted]

Index (1979=100)

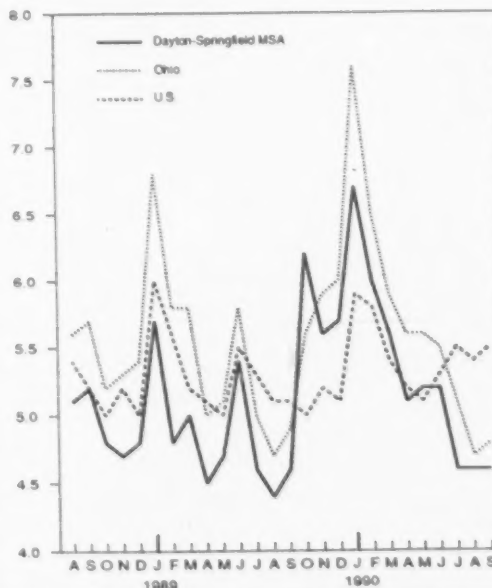


Unemployment Rates

Dayton-Springfield MSA, Ohio and U.S.

[Not Seasonally Adjusted]

Percent



Dayton-Springfield MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment										
				Manufacturing Employment					Average Weekly Earnings		Average Weekly Hours		Average Hourly Earnings	
				Manufacturing Production Workers										
				Hours & Earnings										
Total	Employed	Unemployed												
		Total	Rate											
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA	INA	INA		
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA	INA	INA		
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA	INA	INA		
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA	INA	INA		
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA	INA	INA		
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	\$480.91	42.9	\$11.21				
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97				
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03				
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89				
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63				
478.6	454.1	24.4	5.1	1989	448.3	104.5	67.2	555.56	42.9	12.95				
				1989										
487.6	457.6	30.0	6.2	October	453.3	101.7	65.1	552.12	42.8	12.90				
480.4	453.5	27.0	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01				
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10				
				1990										
478.5	446.2	32.3	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93				
473.4	444.9	28.4	6.0	February	447.1	103.3	66.6	545.02	41.7	13.07				
475.1	448.6	26.5	5.6	March	452.1	104.1	67.2	553.92	41.9	13.22				
474.2	449.8	24.3	5.1	April	456.1	104.0	67.4	539.23	41.1	13.12				
476.5	451.5	25.0	5.2	May	459.6	104.7	68.0	583.08	43.0	13.56				
481.9	456.8	25.1	5.2	June	461.5	105.9	68.8	605.68	43.7	13.86				
478.5	456.5	22.0	4.6	July	455.6	105.5	68.0	570.54	42.2	13.52				
484.6	462.4	22.2	4.6	August	456.7	104.7	67.4	557.19	41.8	13.33				
479.9	457.6	22.3	4.6	September	462.4	104.8	68.0	590.04	43.1	13.69				
INA	INA	INA	INA	October	462.5	104.3	67.8	584.56	42.7	13.69				

INA - Information not available

Dayton-Springfield MSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
448	119	17	101	October	329	18	21	80	18	115	77
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
453	122	18	104	January	330	18	21	81	18	115	78
454	123	18	104	February	331	18	21	81	18	116	77
457	124	18	105	March	333	18	21	82	18	117	78
456	123	18	105	April	333	18	22	82	18	117	77
458	123	18	105	May	335	18	22	82	18	117	78
459	124	18	105	June	335	18	22	82	17	117	78
459	123	18	105	July	336	18	22	82	18	118	78
460	122	17	104	August	338	19	22	82	18	118	80
458	122	17	104	September	336	19	22	82	18	118	78
457	121	17	104	October	336	19	21	82	17	118	78

Dayton-Springfield MSA

**Nonagricultural
Wage and Salary
Employment^a**

Not Seasonally Adjusted

	Employment (in thousands)			Change ^d (in thousands)	
	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	From Last Month	From Last Year
Total	462.5	462.4	453.3	.0	9.2
Goods-Producing Industries^e	123.2	124.2	120.9	-1.0	2.2
Construction	18.5	18.8	18.8	-.4	-.4
Manufacturing	104.3	104.8	101.7	-.6	2.6
Durable Goods ^f	74.2	74.6	72.1	-.4	2.1
Fabricated Metal Products	8.4	8.5	8.3	-.1	.1
Industrial Machinery and Equipment	30.2	30.3	31.3	-.1	-1.0
Metalworking Machinery	8.1	8.0	8.5	.1	-.4
General Industrial Machinery	3.0	3.0	3.0	.0	.0
Electronic and Other Electric Equipment	3.9	3.9	4.0	.1	-.1
Transportation Equipment	23.0	23.2	19.6	-.2	3.3
Motor Vehicles and Equipment	19.9	20.0	16.5	-.1	3.4
Nondurable Goods ^g	30.0	30.2	29.5	-.2	.5
Food and Kindred Products	2.7	2.7	2.8	.0	-.1
Paper and Allied Products	6.3	6.2	6.0	.1	.4
Printing and Publishing	9.1	9.3	9.1	-.2	.0
Rubber and Miscellaneous Plastics Products	7.6	7.6	7.9	-.1	-.3
Service-Producing Industries	339.3	338.3	332.3	1.0	6.9
Transportation and Public Utilities	18.7	18.8	17.9	-.1	.8
Transportation	12.3	12.4	11.6	-.1	.7
Trucking and Warehousing	6.8	6.9	6.5	.0	.4
Communications, Electric, Gas Services	6.4	6.4	6.3	.0	.1
Communications	3.5	3.5	3.5	.0	.0
Wholesale Trade	21.6	21.6	21.4	.0	.2
Wholesale Trade-Durable Goods	15.0	15.0	14.9	.0	.1
Wholesale Trade-Nondurable Goods	6.6	6.6	6.4	.0	.1
Retail Trade	82.6	82.5	80.9	.1	1.7
General Merchandise Stores	11.6	11.5	11.7	.2	.0
Finance, Insurance, and Real Estate	17.5	17.7	17.7	-.2	-.2
Finance	9.3	9.5	9.5	-.2	-.2
Depository Institutions	7.2	7.3	7.3	-.1	-.1
Insurance	4.4	4.4	4.4	.1	.0
Services	119.7	120.0	116.8	-.2	2.9
Business Services	24.4	24.3	22.7	.1	1.7
Personnel Supply Services	7.4	7.1	6.6	.3	.8
Computer and Data Processing Services	5.6	5.6	5.1	.0	.5
Health Services	39.8	39.9	38.9	.0	1.0
Nursing and Personal Care Facilities	7.2	7.2	7.1	.0	.1
Hospitals	20.3	20.2	19.9	.1	.4
Educational Services	9.0	8.2	9.4	.8	-.4
Social Services	6.0	6.0	6.0	.1	.0
Engineering and Management Services	10.2	10.2	9.9	.0	.3
Research and Testing Services	3.4	3.4	3.3	-.1	.1
Government	79.2	77.7	77.6	1.4	1.6
Federal Government	28.0	28.1	29.2	-.2	-1.2
State Government	7.1	7.0	6.7	.2	.5
State Government Education ^h	4.2	4.0	3.8	.2	.3
Local Government	44.1	42.6	41.8	1.5	2.3
Local Government Education	28.1	26.5	27.0	1.6	1.1

Dayton-Springfield MSA

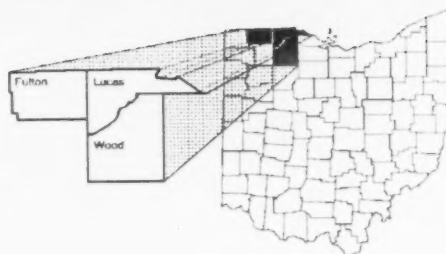
**Hours and Earnings
of Production or
Nonsupervisory Workers^a**

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990 ^a	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^a	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^a	Sep. 1990 ^c	Oct. 1989 ^c
Manufacturing.....	\$584.56	\$590.04	\$552.12	42.7	43.1	42.8	\$13.69	\$13.69	\$12.90
Durable Goods ^f	611.40	617.48	573.75	43.3	43.7	43.4	14.12	14.13	13.22
Fabricated Metal Products.....	394.71	400.31	402.41	40.4	41.1	41.4	9.77	9.74	9.72
Industrial Machinery and Equipment.....	628.76	642.24	611.39	44.0	44.6	44.4	14.29	14.40	13.77
Metalworking Machinery.....	598.07	627.75	617.74	44.9	46.5	47.3	13.32	13.50	13.06
General Industrial Machinery.....	569.49	546.62	464.80	46.3	45.4	41.5	12.30	12.04	11.20
Electronic and Other Electric Equipment.....	380.98	381.44	353.79	43.0	43.1	40.9	8.86	8.85	8.65
Transportation Equipment.....	774.81	778.18	738.92	44.3	44.8	44.3	17.49	17.37	16.68
Motor Vehicles and Equipment.....	783.22	790.69	749.56	44.2	44.9	44.3	17.72	17.61	16.92
Nondurable Goods ^g	507.17	512.94	493.61	41.0	41.5	41.1	12.37	12.36	12.01
Food and Kindred Products.....	345.93	337.35	353.74	39.4	39.0	40.8	8.78	8.65	8.67
Paper and Allied Products.....	526.19	517.50	486.58	45.4	45.0	43.6	11.59	11.50	11.16
Printing and Publishing.....	457.46	470.05	470.37	38.9	39.7	40.1	11.76	11.84	11.73
Rubber and Miscellaneous Plastics Products.....	633.03	654.47	630.83	39.1	40.3	39.6	16.19	16.24	15.93
Transportation and Public Utilities.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services.....	567.20	568.63	570.88	40.0	40.3	41.1	14.18	14.11	13.89
Communications.....	573.60	576.29	574.08	40.0	40.3	40.6	14.34	14.30	14.14
Wholesale Trade.....	395.69	394.35	398.80	39.1	39.2	40.0	10.12	10.06	9.97
Retail Trade ^j	179.00	178.79	169.83	28.1	28.2	28.4	6.37	6.34	5.98
General Merchandise Stores.....	189.16	189.28	175.90	27.9	28.0	27.7	6.78	6.76	6.35
Finance, Insurance, and Real Estate.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Depository Institutions.....	280.60	286.00	274.17	.....	.....	.....	.....	.....	.....
Services.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals.....	413.31	424.55	404.54	34.5	35.0	35.3	11.98	12.13	11.46

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes mining. ^fIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. ^gIncludes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^hIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

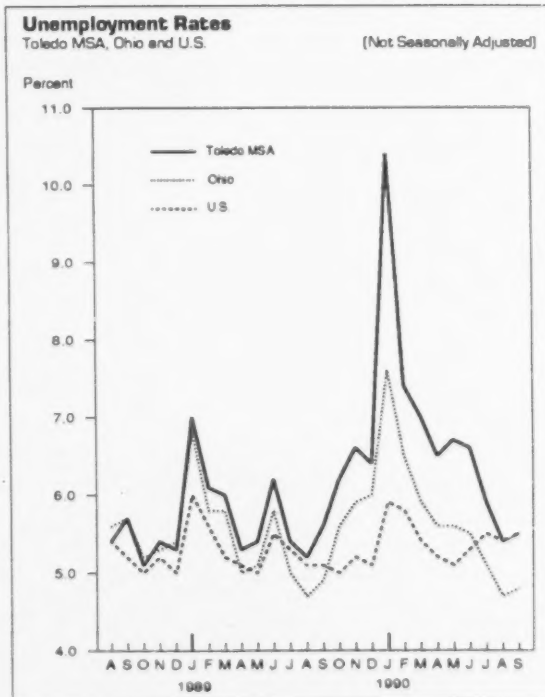
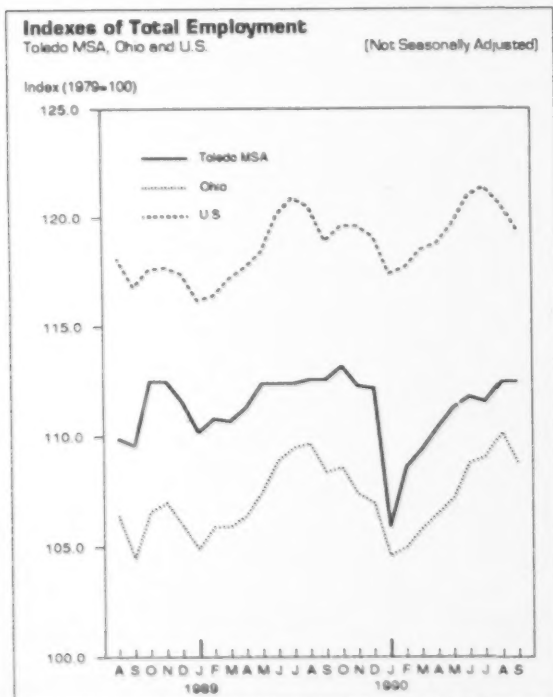
Toledo Metropolitan Statistical Area



In the Toledo metropolitan area, nonfarm payroll employment rose 800 above the September level to 301,600 in October 1990. Employment in service-producing industries increased 2,000. The continued return of nonteaching personnel in state and local schools and colleges overshadowed downturns in services and retail trade. Scattered cutbacks in manufacturing, especially fabricated metal products and food and kindred products, and seasonal layoffs in construction lowered employment in goods-producing industries 1,200 over the month to 73,300. Factory production workers averaged \$13.67 per hour, down 9 cents from September. Their average workweek of 43.7 hours was 0.7 hours shorter.

Nonagricultural wage and salary employment advanced 3,500 between October 1989 and October 1990. The service-producing sector added 3,800 employees. A major portion of the improvement occurred in services (+2,100). Modest gains were posted in retail trade, wholesale trade, and transportation and public utilities. Employment in goods-producing industries declined 300 over the year. Reductions among manufacturers of nondurable and durable goods, particularly stone, clay, and glass products and transportation equipment, outweighed nominal growth in construction employment.

Seasonally adjusted employment in the Toledo area dropped 1,000 from September to 297,000 in October 1990. Declines in construction and manufacturing more than offset an increase in transportation and public utilities. Since October 1989, total payroll employment advanced 4,000. Growth in services, retail trade, and transportation and public utilities outweighed a reduction in manufacturing.



Toledo MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment								
								Manufacturing Employment					
								Manufacturing Production Workers					
								Hours & Earnings					
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings			
		Total	Rate										
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA			
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA			
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA			
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA			
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA			
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	\$502.42	43.2	\$11.63			
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29			
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43			
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72			
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12			
317.3	299.0	18.9	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26			
				1989									
322.6	302.5	20.0	6.2	October	298.1	60.1	42.8	580.32	43.6	13.31			
321.1	300.0	21.1	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37			
320.3	299.7	20.6	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14			
				1990									
315.8	283.0	32.8	10.4	January	281.2	51.1	34.3	522.88	42.1	12.42			
313.2	290.2	23.0	7.4	February	289.9	59.2	42.3	551.34	41.8	13.19			
314.3	292.3	22.0	7.0	March	292.7	59.0	42.3	588.60	43.6	13.50			
315.5	295.1	20.4	6.5	April	297.1	59.9	43.2	581.79	43.0	13.53			
318.8	297.5	21.3	6.7	May	300.1	59.6	42.9	589.37	43.4	13.58			
319.9	298.7	21.2	6.6	June	299.4	60.3	43.3	585.90	43.4	13.50			
316.8	298.2	18.6	5.9	July	295.2	60.0	43.1	576.09	42.8	13.46			
317.9	300.7	17.2	5.4	August	294.8	60.0	43.2	584.87	43.1	13.57			
318.0	300.5	17.5	5.5	September	300.8	60.7	43.9	610.94	44.4	13.76			
INA	INA	INA	INA	October	301.6	59.6	43.0	597.38	43.7	13.67			

INA - Information not available

Toledo MSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods- Producing Industries	Construction	Manufacturing		Service- Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
293	72	12	60	October	221	14	16	59	12	77	43
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
286	64	12	52	January	222	15	16	60	12	76	43
295	72	12	60	February	223	15	16	60	12	77	44
296	72	12	59	March	224	15	16	60	12	77	44
297	73	13	60	April	224	15	16	60	12	78	44
298	73	13	60	May	225	15	16	60	12	78	44
299	73	13	60	June	226	15	16	61	12	78	44
298	73	13	60	July	225	14	16	60	12	79	43
298	72	13	59	August	226	14	16	61	12	79	43
298	72	13	60	September	225	14	16	60	12	79	43
297	72	12	59	October	225	15	16	60	12	79	43

Toledo MSA

**Nonagricultural
Wage and Salary
Employment^a**

Not Seasonally Adjusted

	Employment (in thousands)			Change ^d (in thousands)	
	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	From Last Month	From Last Year
Total	301.6	300.8	298.1	.8	3.5
Goods-Producing Industries^e	73.3	74.5	73.6	-1.2	-.3
Construction	13.4	13.6	13.3	-.2	.1
Manufacturing	59.6	60.7	60.1	-1.0	-.4
Durable Goods ^f	44.4	45.0	44.4	-.6	.0
Stone, Clay, and Glass Products	7.7	7.9	8.0	-.1	-.2
Primary Metal Industries	3.6	3.7	3.5	-.1	.1
Fabricated Metal Products	6.9	7.2	6.9	-.3	.0
Metal Forgings and Stampings	2.3	2.5	2.6	-.2	-.3
Industrial Machinery and Equipment	5.8	5.8	5.7	-.1	.0
Transportation Equipment	13.6	13.6	13.9	.0	-.2
Nondurable Goods ^g	15.2	15.7	15.6	-.4	-.4
Food and Kindred Products	3.9	4.2	3.8	-.3	.1
Rubber and Miscellaneous Plastics Products	4.1	4.2	4.3	.0	-.1
Service-Producing Industries	228.2	226.2	224.4	2.0	3.8
Transportation and Public Utilities	14.8	14.7	14.5	.1	.3
Transportation	9.8	9.7	9.6	.1	.2
Communications, Electric, Gas Services	5.0	5.0	4.9	.0	.1
Wholesale Trade	16.5	16.3	16.1	.1	.4
Wholesale Trade-Durable Goods	10.9	10.9	10.6	.1	.3
Wholesale Trade-Nondurable Goods	5.6	5.5	5.5	.1	.1
Retail Trade	60.4	60.5	59.6	-.2	.8
General Merchandise Stores	8.3	8.2	8.6	.1	-.3
Finance, Insurance, and Real Estate	12.1	12.1	12.1	.0	.0
Finance	6.3	6.3	6.3	.0	-.1
Insurance	3.7	3.7	3.7	.0	.0
Services	79.4	80.0	77.3	-.6	2.1
Business Services	13.9	14.2	13.7	-.3	.2
Personnel Supply Services	5.4	5.5	5.2	-.2	.1
Health Services	28.1	28.1	27.6	.0	.4
Nursing and Personal Care Facilities	4.1	4.2	4.1	-.1	.0
Hospitals	15.2	15.2	15.1	.0	.1
Engineering and Management Services	6.6	6.6	6.0	.0	.6
Government	45.0	42.6	44.9	2.5	.1
Federal Government	2.6	2.6	2.7	.0	-.1
State Government	17.5	15.7	17.4	1.8	.1
State Government Education ^h	13.1	11.4	13.2	1.8	.0
Local Government	24.9	24.3	24.9	.7	.1
Local Government Education	14.7	14.1	14.5	.6	.2

Toledo MSA

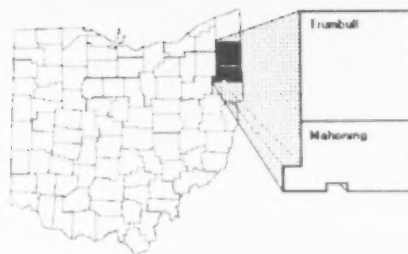
Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c
Manufacturing.....	\$597.38	\$610.94	\$580.32	43.7	44.4	43.6	\$13.67	\$13.76	\$13.31
Durable Goods ^f	612.48	631.68	589.47	44.0	44.8	43.6	13.92	14.10	13.52
Stone, Clay, and Glass Products.....	537.63	539.65	554.62	42.5	43.0	44.8	12.65	12.55	12.38
Primary Metal Industries.....	583.68	521.85	490.50	48.0	44.3	43.6	12.16	11.78	11.25
Fabricated Metal Products.....	532.65	530.78	470.11	45.8	45.6	42.2	11.63	11.64	11.14
Metal Forgings and Stampings.....	720.15	704.01	633.15	44.1	43.7	41.6	16.33	16.11	15.22
Industrial Machinery and Equipment.....	503.52	500.64	501.30	42.1	42.0	42.7	11.96	11.92	11.74
Transportation Equipment.....	781.70	852.37	761.40	43.5	46.4	44.5	17.97	18.37	17.11
Nondurable Goods ^g	548.27	550.31	544.24	42.7	43.4	43.4	12.84	12.68	12.54
Food and Kindred Products.....	656.89	640.32	593.97	44.9	46.4	43.9	14.63	13.80	13.53
Rubber and Miscellaneous Plastics Products.....	374.92	379.81	366.21	41.2	41.6	41.9	9.10	9.13	8.74
Transportation and Public Utilities.....	633.70	635.39	616.93	40.7	40.6	41.6	15.57	15.65	14.83
Communications, Electric, Gas Services.....	633.70	635.39	616.93	40.7	40.6	41.6	15.57	15.65	14.83
Wholesale Trade.....	418.40	420.49	418.54	40.0	40.2	40.4	10.46	10.46	10.36
Retail Trade ⁱ	168.39	166.16	165.50	26.9	26.8	27.4	6.26	6.20	6.04
Finance, Insurance, and Real Estate.....	353.71	352.32	358.49	26.9	26.8	27.4	6.26	6.20	6.04
Finance.....	353.71	352.32	358.49	26.9	26.8	27.4	6.26	6.20	6.04

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes mining. ^fIncludes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. ^gIncludes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^hIncludes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

Youngstown-Warren Metropolitan Statistical Area



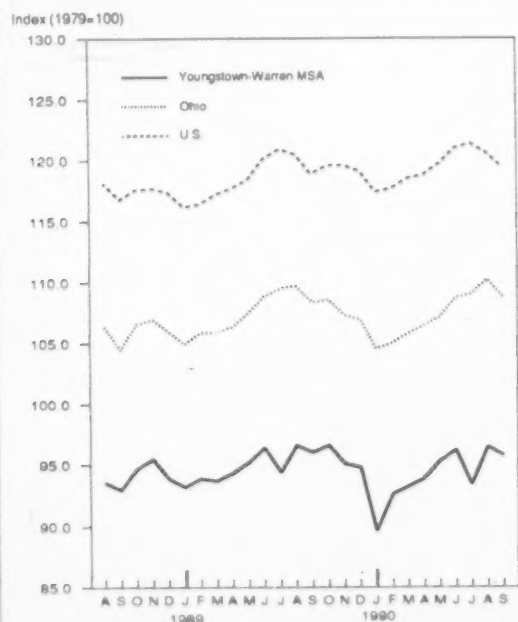
Nonfarm payroll employment in the Youngstown-Warren metropolitan area increased 500 above the September level to 204,400 in October 1990. Employment in service-producing industries rose 1,200. The continued return of nonteaching personnel in state and local schools and colleges outweighed declines in services. The number of jobs in goods-producing industries dropped 700 over the month to 57,900 mainly due to seasonal layoffs in construction and reductions in manufacturing. Production cutbacks in primary metal industries and fabricated metal products more than offset gains in transportation equipment and nondurable goods. Factory production workers averaged \$15.23 per hour, down fractionally from September. Their average workweek of 43.5 hours was 1.2 hours shorter.

Nonagricultural wage and salary employment advanced 2,200 between October 1989 and October 1990. The workforce in the service-producing sector added 3,300 jobs. Leading areas of expansion were services (+1,400) and retail trade (+1,200). Noteworthy growth was recorded in wholesale trade. Over-the-year reductions in durable-goods manufacturing lowered employment in goods-producing industries 1,100. Declines were posted in primary metal industries, fabricated metal products, industrial machinery and equipment, and transportation equipment.

Seasonally adjusted employment in the Youngstown-Warren area totaled 202,000 in October 1990, unchanged from September, as scattered declines in goods-producing industries counterbalanced growth in retail trade. Since October 1989, total payroll employment advanced 2,000. Expansion in wholesale trade, retail trade, and services outweighed a decrease in manufacturing.

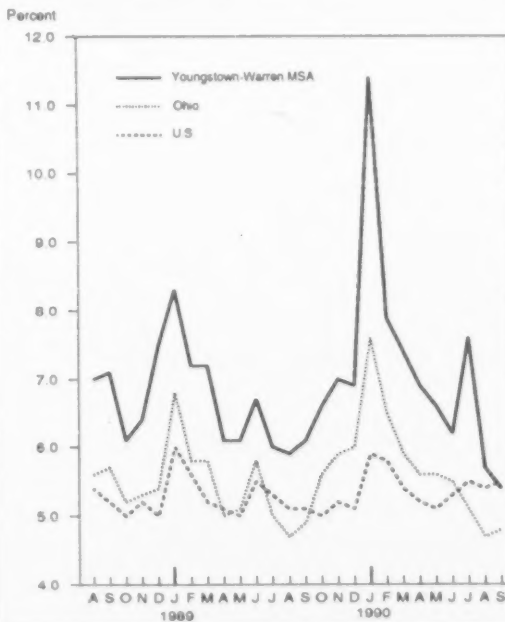
Indexes of Total Employment

Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates

Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Youngstown-Warren MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment								
								Manufacturing Employment			Manufacturing Production Workers		
											Hours & Earnings		
											Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
Total	Employed	Unemployed											
		Total	Rate										
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	\$377.29	40.7	\$ 9.27			
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27			
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62			
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72			
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38			
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84			
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24			
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30			
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30			
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59			
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01			
				1989									
227.5	212.5	15.0	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26			
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23			
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14			
				1990									
222.3	197.0	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74			
221.0	203.7	17.4	7.9	February	196.2	49.2	36.9	591.63	41.9	14.12			
221.3	205.0	16.3	7.4	March	198.2	49.3	37.0	596.24	41.9	14.23			
221.7	206.5	15.2	6.9	April	200.8	49.3	37.1	602.45	42.1	14.31			
224.2	209.5	14.7	6.6	May	204.4	49.8	37.5	628.72	43.3	14.52			
225.7	211.6	14.1	6.2	June	205.0	50.1	37.8	636.08	43.3	14.69			
222.3	205.3	17.0	7.6	July	196.4	43.6	31.2	604.56	42.1	14.36			
225.2	212.3	12.8	5.7	August	201.1	48.4	36.0	605.48	41.7	14.52			
222.5	210.6	11.9	5.4	September	203.9	49.0	36.8	682.12	44.7	15.26			
INA	INA	INA	INA	October	204.4	48.7	36.5	662.51	43.5	15.23			

INA - Information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	25
201	58	8	50	February	143	8	12	43	9	47	24
201	58	8	49	March	143	8	12	43	9	48	24
201	58	8	49	April	144	8	12	43	9	48	24
202	58	8	50	May	144	8	12	43	9	48	25
202	58	8	50	June	144	8	12	43	9	48	24
197	53	8	45	July	144	8	12	43	9	48	25
202	57	8	49	August	145	8	12	44	9	48	25
202	57	8	48	September	145	8	12	43	9	48	25
202	56	8	48	October	146	8	12	44	9	48	25

Youngstown-Warren MSA

**Nonagricultural
Wage and Salary
Employment^a**

Not Seasonally Adjusted

	Employment (in thousands)			Change ^d (in thousands)	
	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	From Last Month	From Last Year
Total	204.4	203.9	202.2	.5	2.2
Goods-Producing Industries^e	57.9	58.6	59.0	-.7	-1.1
Construction	8.7	9.1	8.6	-.4	.1
Manufacturing	48.7	49.0	50.0	-.3	-1.3
Durable Goods ^f	43.4	43.8	44.7	-.4	-1.3
Primary Metal Industries	18.0	18.5	18.4	-.4	-.4
Blast Furnace and Basic Steel Products	6.0	6.0	5.8	-.1	.2
Fabricated Metal Products	7.3	7.4	7.5	-.1	-.2
Metal Forgings and Stampings	3.9	3.9	3.9	.0	.0
Industrial Machinery and Equipment	4.1	4.2	4.3	.0	-.1
Transportation Equipment	9.1	8.9	9.2	.2	-.1
Nondurable Goods ^g	5.3	5.2	5.3	.1	.0
Service-Producing Industries	146.5	145.3	143.2	1.2	3.3
Transportation and Public Utilities	7.9	8.0	7.9	-.1	.1
Wholesale Trade	11.9	11.8	11.2	.1	.7
Wholesale Trade-Durable Goods	7.3	7.2	7.1	.1	.2
Wholesale Trade-Nondurable Goods	4.6	4.6	4.2	.0	.4
Retail Trade	43.9	43.8	42.7	.1	1.2
General Merchandise Stores	5.3	5.2	5.4	.1	-.1
Finance, Insurance, and Real Estate	8.6	8.7	8.7	.0	-.1
Finance	4.7	4.7	4.7	.0	.0
Services	48.8	49.2	47.4	-.5	1.4
Health Services	21.5	21.4	21.3	.1	.2
Nursing and Personal Care Facilities	4.9	4.9	4.8	.0	.1
Hospitals	10.8	10.8	10.8	.0	.0
Government	25.3	23.8	25.3	1.6	.1
State Government	4.5	3.4	4.6	1.1	-.1
State Government Education ^h	3.0	1.9	3.1	1.1	-.1
Local Government	19.0	18.4	18.6	.5	.3
Local Government Education	12.3	11.7	12.2	.6	.1

Youngstown-Warren MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c
Manufacturing.....	\$662.51	\$682.12	\$617.46	43.5	44.7	43.3	\$15.23	\$15.26	\$14.26
Durable Goods ^d	683.47	703.35	637.87	43.7	45.0	43.6	15.64	15.63	14.63
Primary Metal Industries.....	685.10	748.65	684.56	42.5	45.4	43.0	16.12	16.49	15.92
Blast Furnace and Basic Steel Products.....	681.29	760.21	642.18	46.6	51.4	46.3	14.62	14.79	13.87
Fabricated Metal Products.....	708.86	687.96	626.54	46.0	45.5	45.5	15.41	15.12	13.77
Metal Forgings and Stampings.....	906.69	883.87	724.58	49.6	49.6	45.6	18.28	17.82	15.89
Industrial Machinery and Equipment.....	532.98	529.94	522.28	42.3	42.6	42.6	12.60	12.44	12.26
Transportation Equipment.....	822.49	819.55	721.63	46.6	47.4	45.5	17.65	17.29	15.86
Nondurable Goods ^e	443.81	457.18	410.06	41.4	41.6	40.4	10.72	10.99	10.15
Wholesale Trade.....	377.47	385.30	382.39	38.4	38.3	38.9	9.83	10.06	9.83
Retail Trade ^f	181.11	179.91	183.21	27.4	27.3	28.1	6.61	6.59	6.52
Finance, Insurance, and Real Estate.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance.....	234.41	230.07	218.73	.....	.....	.....	.....	.....	.....

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes mining. ^fIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. ^gIncludes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. ^hIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton-Middletown PMSA

Nonagricultural payroll employment in the Hamilton-Middletown metropolitan area totaled 97,800 in October 1990, up 200 from the September level. The return of nonteaching personnel in state and local schools and colleges outweighed declines in services and retail trade to raise employment in service-producing industries 500. Seasonal decreases in construction and mining lowered employment in goods-producing industries 300 to 27,500. Manufacturing production workers averaged \$14.34 per hour, up 11 cents from September. Their average workweek was unchanged at 46.1 hours. Nonfarm wage and salary employment advanced 1,600 between October 1989 and October 1990. The service-producing sector added 2,300 jobs primarily due to gains in local and state government, retail trade, and services. Employment in goods-producing industries declined 700 over the year as production cutbacks in manufacturing, especially paper and allied products and primary metal industries, outweighed growth in construction and mining.

Lima MSA

Nonfarm wage and salary employment in the Lima metropolitan area dropped 700 from the September level to 75,000 in October 1990. Reductions among manufacturers of durable goods, especially transportation equipment, and nominal declines in construction and mining lowered employment in goods-producing industries 400 over the month to 26,400. The service-producing sector lost 300 jobs. Declines in retail trade and finance, insurance, and real estate outweighed increases in nonteaching personnel in local schools. Manufacturing production workers averaged \$13.31 per hour, down 7 cents from September. Their average workweek was 0.6 hours shorter at 42.2 hours. Nonagricultural payroll employment advanced 2,500 between October 1989 and October 1990. Service-producing industries contributed 92.0 percent of the gain. Leading areas of growth were services (+1,300) and retail trade (+700). Employment in goods-producing industries rose 200 over the year. Expansion in construction and mining more than offset declines in manufacturing, particularly industrial machinery and equipment. Employment in fabricated metal products and food and kindred products increased during the period.

Lorain-Elyria PMSA

In the Lorain-Elyria metropolitan area, total nonagricultural payroll employment rose 2,500 from the September level to 94,100 in October 1990. Employment in the goods-producing sector increased 2,600 to 32,800 primarily due to the recall of workers from temporary layoffs in manufacturing, especially in transportation equipment. Service-producing industries decreased 100 as declines in services, retail trade, and transportation and public utilities outweighed increases in nonteaching personnel in local schools. Manufacturing production workers averaged \$13.51 per hour, up 41 cents from September. Their average workweek was 42.7 hours, down 0.4 hours. Nonfarm wage and salary employment advanced 3,600 between October 1989 and October 1990. Employment in goods-producing industries increased 2,200 above the year-ago level. Temporary shutdowns in manufacturing significantly reduced the workforce in transportation equipment in October 1989. Gains in retail trade and local government raised employment in service-producing industries 1,400 over the year.

Mansfield MSA

Nonfarm wage and salary employment in the Mansfield metropolitan area totaled 59,500 in October 1990, down 300 from September. Declines in manufacturing and construction and mining lowered employment in goods-producing industries 100 to 20,000. Decreases in fabricated metal products and nondurable-goods manufacturing outweighed nominal growth in electronic and other electric equipment. The service-producing sector lost 100 jobs. Reductions in retail trade negated increases in nonteaching personnel in local schools. Manufacturing production workers averaged \$14.08 per hour, up fractionally from September. Their average workweek was 0.5 hours shorter at 42.2 hours. Nonagricultural payroll employment fell 1,100 between October 1989 and October 1990. The workforce in goods-producing industries dropped 1,200 due to production cutbacks among producers of durable goods, especially electronic and other electric equipment and fabricated metal products. Employment in service-producing industries was unchanged over the year. Gains in retail trade offset declines in local government and finance, insurance, and real estate.

Steubenville-Weirton MSA

In the Steubenville-Weirton metropolitan area, nonagricultural payroll employment rose 300 from the September level to 53,800 in October 1990. The service-producing sector added 300 jobs. Gains in services and local schools outweighed declines in transportation and public utilities. Employment in goods-producing industries, at 20,600, was unchanged over the month. Slight reductions in durable-goods manufacturing, particularly primary metal industries, counterbalanced nominal growth in nondurable-goods manufacturing. Factory production workers averaged \$11.50 per hour, down 19 cents from September. Their average workweek was 0.4 hours shorter at 43.0 hours. Nonfarm wage and salary employment advanced 1,000 between October 1989 and October 1990. Growth was concentrated in service-producing industries. Notable gains occurred in services, especially health services, local government, and retail trade. Employment in goods-producing industries was unchanged over the year. Production cutbacks among manufacturers of durable goods, particularly primary metal industries, negated expansion in construction.

Civilian Labor Force Estimates^a

Not Seasonally Adjusted

Civilian Labor Force	79.2	80.5	78.8	-1.3	.4
Employment	74.5	76.2	74.6	-1.7	-.1
Unemployment	4.7	4.3	4.2	.4	.5
Unemployment Rate	6.0	5.3	5.4		

Lima MSA			Change ^d (in thousands)	
Estimates (in thousands)				
Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	From Last Month	From Last Year
79.2	80.5	78.8	-1.3	.4
74.5	76.2	74.6	-1.7	-.1
4.7	4.3	4.2	.4	.5
6.0	5.3	5.4		

Nonagricultural Wage and Salary Employment^a

Not Seasonally Adjusted

Total	75.0	75.7	72.5	-.7	2.5
Goods-Producing Industries	26.4	26.9	26.3	-.4	.2
Construction and Mining	3.7	3.8	3.4	-.1	.3
Manufacturing	22.8	23.1	22.9	-.3	-.1
Durable Goods	16.3	16.6	16.6	-.3	-.3
Fabricated Metal Products	2.9	2.9	2.8	.0	.2
Industrial Machinery and Equipment	3.9	3.9	4.1	.0	-.2
Transportation Equipment	6.9	7.1	6.8	-.1	.1
Motor Vehicles and Equipment	3.3	3.4	2.9	-.1	.5
Nondurable Goods	6.5	6.5	6.3	.0	.2
Food and Kindred Products	2.0	2.0	1.8	.0	.2
Rubber and Miscellaneous Plastics Products	2.2	2.2	2.1	.0	.1
Service-Producing Industries	48.6	48.8	46.2	-.3	2.3
Transportation and Public Utilities	3.3	3.3	3.1	.0	.2
Wholesale Trade	3.5	3.5	3.4	.0	.0
Retail Trade	14.7	15.0	14.0	-.3	.7
General Merchandise Stores	2.3	2.2	2.0	.1	.2
Finance, Insurance, and Real Estate	2.1	2.2	2.1	-.1	.0
Services	15.5	15.6	14.3	.0	1.3
Health Services	6.8	6.7	6.3	.1	.5
Hospitals	3.2	3.2	3.0	.0	.2
Government	9.5	9.3	9.4	.2	.1
Local Government	7.0	7.0	7.0	.1	.0
Local Government Education	4.3	4.2	4.2	.2	.1

Lima MSA			Change ^e (in thousands)	
Estimates (in thousands)				
Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	From Last Month	From Last Year
75.0	75.7	72.5	-.7	2.5
26.4	26.9	26.3	-.4	.2
3.7	3.8	3.4	-.1	.3
22.8	23.1	22.9	-.3	-.1
16.3	16.6	16.6	-.3	-.3
2.9	2.9	2.8	.0	.2
3.9	3.9	4.1	.0	-.2
6.9	7.1	6.8	-.1	.1
3.3	3.4	2.9	-.1	.5
6.5	6.5	6.3	.0	.2
2.0	2.0	1.8	.0	.2
2.2	2.2	2.1	.0	.1
48.6	48.8	46.2	-.3	2.3
3.3	3.3	3.1	.0	.2
3.5	3.5	3.4	.0	.0
14.7	15.0	14.0	-.3	.7
2.3	2.2	2.0	.1	.2
2.1	2.2	2.1	-.1	.0
15.5	15.6	14.3	.0	1.3
6.8	6.7	6.3	.1	.5
3.2	3.2	3.0	.0	.2
9.5	9.3	9.4	.2	.1
7.0	7.0	7.0	.1	.0
4.3	4.2	4.2	.2	.1

Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

Manufacturing	\$561.68	\$572.66	\$556.40	42.2	42.8	42.8	\$13.31	\$13.38	\$13.00
Durable Goods	563.92	566.53	545.28	42.4	42.5	42.6	13.30	13.33	12.80
Fabricated Metal Products	376.82	389.48	366.33	41.5	42.8	41.3	9.08	9.10	8.87
Industrial Machinery and Equipment	483.72	466.09	481.63	41.7	40.6	41.2	11.60	11.48	11.69
Transportation Equipment	727.76	731.62	680.12	44.0	44.1	43.1	16.54	16.59	15.78
Motor Vehicles and Equipment	809.86	815.24	781.58	45.6	45.8	45.6	17.76	17.80	17.14
Nondurable Goods	555.36	589.04	587.15	41.6	43.6	43.3	13.35	13.51	13.56
Food and Kindred Products	378.02	413.91	354.22	41.0	43.8	39.8	9.22	9.45	8.90
Rubber and Miscellaneous Plastics Products	625.07	664.95	587.70	44.3	46.5	45.0	14.11	14.30	13.06
Wholesale Trade	370.36	367.63	375.38	38.3	37.9	38.5	9.67	9.70	9.75
Retail Trade ^f	181.07	187.52	189.03	29.3	30.1	30.1	6.18	6.23	6.28
General Merchandise Stores	178.01	180.34	166.46	28.3	28.4	27.2	6.29	6.35	6.12

Lima MSA			Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c
\$561.68	\$572.66	\$556.40	42.2	42.8	42.8	\$13.31	\$13.38	\$13.00			
563.92	566.53	545.28	42.4	42.5	42.6	13.30	13.33	12.80			
376.82	389.48	366.33	41.5	42.8	41.3	9.08	9.10	8.87			
483.72	466.09	481.63	41.7	40.6	41.2	11.60	11.48	11.69			
727.76	731.62	680.12	44.0	44.1	43.1	16.54	16.59	15.78			
809.86	815.24	781.58	45.6	45.8	45.6	17.76	17.80	17.14			
555.36	589.04	587.15	41.6	43.6	43.3	13.35	13.51	13.56			
378.02	413.91	354.22	41.0	43.8	39.8	9.22	9.45	8.90			
625.07	664.95	587.70	44.3	46.5	45.0	14.11	14.30	13.06			
370.36	367.63	375.38	38.3	37.9	38.5	9.67	9.70	9.75			
181.07	187.52	189.03	29.3	30.1	30.1	6.18	6.23	6.28			
178.01	180.34	166.46	28.3	28.4	27.2	6.29	6.35	6.12			

*See Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eMoney payments only; tips not included. ^fDepressed due to labor-management disputes.

Lorain-Elyria PMSA

Civilian Labor Force Estimates^a

Not Seasonally Adjusted

Civilian Labor Force	118.6	121.9	114.9	-3.3	3.7
Employment	111.2	111.1	108.2	.1	3.0
Unemployment	7.4	10.8	6.7	-3.4	.7
Unemployment Rate	6.2	8.9	5.8		

Estimates (in thousands)			Change ^d (in thousands)	
Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	From Last Month	From Last Year
118.6	121.9	114.9	-3.3	3.7
111.2	111.1	108.2	.1	3.0
7.4	10.8	6.7	-3.4	.7
6.2	8.9	5.8		

Lorain-Elyria PMSA

**Nonagricultural
Wage and Salary
Employment^a**

Not Seasonally Adjusted

Total	94.1	91.6	90.5	2.5	3.6
Goods-Producing Industries	32.8	30.2	30.7	2.6	2.2
Construction and Mining	4.5	4.6	4.5	-.1	.0
Manufacturing	28.4	25.6	26.2	2.7	2.2
Durable Goods	23.4	20.8	21.6	2.6	1.8
Primary Metal Industries	4.3	4.4	4.4	.0	-.1
Fabricated Metal Products	4.1	4.1	4.3	.0	-.2
Transportation Equipment	7.6	5.0	5.3	2.6	2.4
Nondurable Goods	5.0	4.9	4.7	.1	.4
Service-Producing Industries	61.3	61.4	59.8	-.1	1.4
Transportation and Public Utilities	3.5	3.6	3.4	-.1	.1
Wholesale Trade	2.5	2.4	2.4	.0	.1
Retail Trade	17.5	17.6	16.8	-.2	.7
Finance, Insurance, and Real Estate	3.3	3.3	3.2	.0	.1
Services	20.7	21.2	20.7	-.5	.0
Health Services	8.7	8.8	8.4	-.2	.2
Hospitals	4.1	4.3	4.0	-.3	.0
Government	13.8	13.2	13.3	.6	.5
Local Government	11.8	11.1	11.3	.7	.4
Local Government Education	8.0	7.2	7.6	.7	.3

Estimates (in thousands)			Change ^d (in thousands)	
Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	From Last Month	From Last Year
94.1	91.6	90.5	2.5	3.6
32.8	30.2	30.7	2.6	2.2
4.5	4.6	4.5	-.1	.0
28.4	25.6	26.2	2.7	2.2
23.4	20.8	21.6	2.6	1.8
4.3	4.4	4.4	.0	-.1
4.1	4.1	4.3	.0	-.2
7.6	5.0	5.3	2.6	2.4
5.0	4.9	4.7	.1	.4
61.3	61.4	59.8	-.1	1.4
3.5	3.6	3.4	-.1	.1
2.5	2.4	2.4	.0	.1
17.5	17.6	16.8	-.2	.7
3.3	3.3	3.2	.0	.1
20.7	21.2	20.7	-.5	.0
8.7	8.8	8.4	-.2	.2
4.1	4.3	4.0	-.3	.0
13.8	13.2	13.3	.6	.5
11.8	11.1	11.3	.7	.4
8.0	7.2	7.6	.7	.3

Lorain-Elyria PMSA

**Hours and Earnings
of Production or
Nonsupervisory Workers^a**

Not Seasonally Adjusted

Manufacturing	\$576.88	\$564.61	\$532.57	42.7	43.1	42.1	\$13.51	\$13.10	\$12.65
Durable Goods	610.53	601.87	556.71	43.3	43.9	42.4	14.10	13.71	13.13
Primary Metal Industries	692.48	694.43	611.01	46.6	46.7	43.8	14.86	14.87	13.95
Fabricated Metal Products	442.95	429.57	413.88	43.9	43.0	42.8	10.09	9.99	9.67
Transportation Equipment	695.12	711.90	656.87	41.9	42.4	40.2	16.59	16.79	16.34
Nondurable Goods	398.56	393.42	409.41	39.5	39.5	40.9	10.09	9.96	10.01
Wholesale Trade	365.93	365.96	362.70	38.6	38.2	38.3	9.48	9.58	9.47
Retail Trade ¹	163.65	163.68	161.92	26.1	26.4	26.2	6.27	6.20	6.18

Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c
\$576.88	\$564.61	\$532.57	42.7	43.1	42.1	\$13.51	\$13.10	\$12.65
610.53	601.87	556.71	43.3	43.9	42.4	14.10	13.71	13.13
692.48	694.43	611.01	46.6	46.7	43.8	14.86	14.87	13.95
442.95	429.57	413.88	43.9	43.0	42.8	10.09	9.99	9.67
695.12	711.90	656.87	41.9	42.4	40.2	16.59	16.79	16.34
398.56	393.42	409.41	39.5	39.5	40.9	10.09	9.96	10.01
365.93	365.96	362.70	38.6	38.2	38.3	9.48	9.58	9.47
163.65	163.68	161.92	26.1	26.4	26.2	6.27	6.20	6.18

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ¹Money payments only; tips not included.
¹Depressed due to labor-management disputes.

Civilian Labor Force Estimates^a

Not Seasonally Adjusted

Civilian Labor Force	64.6	65.8	66.2	-1.2	-1.6
Employment	59.8	61.3	61.9	-1.5	-2.1
Unemployment	4.7	4.5	4.3	.2	.4
Unemployment Rate	7.3	6.8	6.5		

Mansfield MSA

Estimates (in thousands)			Change ^d (in thousands)	
Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	From Last Month	From Last Year
64.6	65.8	66.2	-1.2	-1.6
59.8	61.3	61.9	-1.5	-2.1
4.7	4.5	4.3	.2	.4
7.3	6.8	6.5		

Nonagricultural Wage and Salary Employment^a

Not Seasonally Adjusted

Total	59.5	59.8	60.6	-3	-1.1
Goods-Producing Industries	20.0	20.2	21.2	-1	-1.2
Construction and Mining	2.3	2.4	2.2	-1	.1
Manufacturing	17.7	17.8	19.0	-1	-1.3
Durable Goods	15.7	15.7	16.9	.0	-1.2
Fabricated Metal Products	5.3	5.4	5.5	-1	-2
Electronic and Other Electric Equipment	3.0	2.9	3.4	.1	-5
Nondurable Goods	2.0	2.1	2.1	-1	.0
Service-Producing Industries	39.5	39.6	39.5	-1	.0
Transportation and Public Utilities	3.0	3.0	3.0	.0	.0
Wholesale Trade	2.2	2.2	2.2	.0	.0
Retail Trade	12.2	12.5	11.7	-3	.4
Finance, Insurance, and Real Estate	2.3	2.4	2.5	.0	-1
Services	12.7	12.7	12.6	.0	.1
Health Services	4.5	4.4	4.4	.0	.0
Government	7.1	6.9	7.5	.3	-3
Local Government	5.4	5.2	5.7	.2	-3
Local Government Education	3.9	3.7	4.0	.3	.0

Mansfield MSA

Estimates (in thousands)			Change ^d (in thousands)	
Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	From Last Month	From Last Year
59.5	59.8	60.6	-3	-1.1
20.0	20.2	21.2	-1	-1.2
2.3	2.4	2.2	-1	.1
17.7	17.8	19.0	-1	-1.3
15.7	15.7	16.9	.0	-1.2
5.3	5.4	5.5	-1	-2
3.0	2.9	3.4	.1	-5
2.0	2.1	2.1	-1	.0
39.5	39.6	39.5	-1	.0
3.0	3.0	3.0	.0	.0
2.2	2.2	2.2	.0	.0
12.2	12.5	11.7	-3	.4
2.3	2.4	2.5	.0	-1
12.7	12.7	12.6	.0	.1
4.5	4.4	4.4	.0	.0
7.1	6.9	7.5	.3	-3
5.4	5.2	5.7	.2	-3
3.9	3.7	4.0	.3	.0

Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

Manufacturing	\$594.18	\$600.36	\$539.14	42.2	42.7	41.6	\$14.08	\$14.06	\$12.96
Durable Goods	616.56	623.66	561.08	42.0	42.6	41.5	14.68	14.64	13.52
Fabricated Metal Products	751.08	775.68	703.90	41.2	43.7	41.7	18.23	17.75	16.88
Electronic and Other Electric Equipment	458.43	451.88	451.26	41.6	40.6	41.4	11.02	11.13	10.90
Nondurable Goods	395.42	403.79	346.96	43.5	43.7	43.1	9.09	9.24	8.05
Wholesale Trade	337.31	330.42	323.47	40.3	40.1	39.4	8.37	8.24	8.21
Retail Trade ^f	170.18	171.17	158.12	26.8	27.3	26.8	6.35	6.27	5.90

Mansfield MSA

Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c
\$594.18	\$600.36	\$539.14	42.2	42.7	41.6	\$14.08	\$14.06	\$12.96
616.56	623.66	561.08	42.0	42.6	41.5	14.68	14.64	13.52
751.08	775.68	703.90	41.2	43.7	41.7	18.23	17.75	16.88
458.43	451.88	451.26	41.6	40.6	41.4	11.02	11.13	10.90
395.42	403.79	346.96	43.5	43.7	43.1	9.09	9.24	8.05
337.31	330.42	323.47	40.3	40.1	39.4	8.37	8.24	8.21
170.18	171.17	158.12	26.8	27.3	26.8	6.35	6.27	5.90

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eMoney payments only; tips not included. ^fDepressed due to labor-management disputes.

Civilian Labor Force Estimates^a

Not Seasonally Adjusted

Civilian Labor Force.....	57.0	57.7	56.6	-.7	.5
Employment	53.5	54.4	53.0	-.9	.5
Unemployment	3.5	3.3	3.6	.2	-.1
Unemployment Rate	6.2	5.7	6.3		

Steubenville-Weirton MSA

Estimates (in thousands)			Change ^d (in thousands)	
Sep. 1990 ^b	Aug. 1990 ^c	Sep. 1989 ^c	From Last Month	From Last Year
57.0	57.7	56.6	-.7	.5
53.5	54.4	53.0	-.9	.5
3.5	3.3	3.6	.2	-.1
6.2	5.7	6.3		

Nonagricultural Wage and Salary Employment^a

Not Seasonally Adjusted

Total.....	53.8	53.5	52.8	.3	1.0
Goods-Producing Industries.....	20.6	20.6	20.5	.0	.0
Mining	1.0	1.0	1.0	.0	.0
Construction	2.2	2.2	1.8	.0	.4
Manufacturing.....	17.4	17.4	17.8	.0	-.3
Durable Goods.....	15.6	15.7	16.2	-.1	-.6
Primary Metal Industries	12.4	12.5	12.9	-.1	-.5
Nondurable Goods.....	1.8	1.7	1.6	.1	.2
Service-Producing Industries.....	33.2	32.9	32.2	.3	1.0
Transportation and Public Utilities.....	3.4	3.4	3.3	-.1	.0
Wholesale Trade	1.3	1.3	1.3	.0	.0
Retail Trade	9.5	9.5	9.3	.0	.2
General Merchandise Stores.....	1.8	1.8	1.8	.1	.0
Finance, Insurance, and Real Estate.....	1.6	1.7	1.7	.0	.0
Services.....	11.1	10.9	10.6	.2	.5
Health Services.....	4.7	4.8	4.5	-.1	.2
Hospitals.....	2.5	2.5	2.4	.0	.0
Government.....	6.2	6.0	5.9	.2	.3
Local Government	5.4	5.2	5.1	.2	.3
Local Government Education.....	3.4	3.2	3.3	.2	.1

Steubenville-Weirton MSA

Estimates (in thousands)			Change ^d (in thousands)	
Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	From Last Month	From Last Year
53.8	53.5	52.8	.3	1.0
20.6	20.6	20.5	.0	.0
1.0	1.0	1.0	.0	.0
2.2	2.2	1.8	.0	.4
17.4	17.4	17.8	.0	-.3
15.6	15.7	16.2	-.1	-.6
12.4	12.5	12.9	-.1	-.5
1.8	1.7	1.6	.1	.2
33.2	32.9	32.2	.3	1.0
3.4	3.4	3.3	-.1	.0
1.3	1.3	1.3	.0	.0
9.5	9.5	9.3	.0	.2
1.8	1.8	1.8	.1	.0
1.6	1.7	1.7	.0	.0
11.1	10.9	10.6	.2	.5
4.7	4.8	4.5	-.1	.2
2.5	2.5	2.4	.0	.0
6.2	6.0	5.9	.2	.3
5.4	5.2	5.1	.2	.3
3.4	3.2	3.3	.2	.1

Hours and Earnings of Production or Nonsupervisory Workers^a

Not Seasonally Adjusted

Manufacturing	\$494.50	\$507.35	\$519.39	43.0	43.4	43.5	\$11.50	\$11.69	\$11.94
Durable Goods	521.22	535.02	548.47	43.8	44.4	44.7	11.90	12.05	12.27
Primary Metal Industries	554.73	571.03	577.03	44.7	45.5	45.4	12.41	12.55	12.71
Nondurable Goods	212.38	190.80	176.39	34.2	31.8	29.3	6.21	6.00	6.02
Wholesale Trade	333.78	337.45	322.94	39.5	39.7	38.4	8.45	8.50	8.41
Retail Trade ^f	169.01	166.04	165.25	26.7	27.4	28.2	6.33	6.06	5.86

Steubenville-Weirton MSA

Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c	Oct. 1990 ^b	Sep. 1990 ^c	Oct. 1989 ^c
\$494.50	\$507.35	\$519.39	43.0	43.4	43.5	\$11.50	\$11.69	\$11.94
521.22	535.02	548.47	43.8	44.4	44.7	11.90	12.05	12.27
554.73	571.03	577.03	44.7	45.5	45.4	12.41	12.55	12.71
212.38	190.80	176.39	34.2	31.8	29.3	6.21	6.00	6.02
333.78	337.45	322.94	39.5	39.7	38.4	8.45	8.50	8.41
169.01	166.04	165.25	26.7	27.4	28.2	6.33	6.06	5.86

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eMoney payments only; tips not included. ^fDepressed due to labor-management disputes.



The U.S. Department of Labor has designated labor surplus areas for the period October 1, 1990 through September 30, 1991. Employers located in labor surplus areas can be given preference in bidding on federal procurement contracts under Executive Orders 12073 (Federal Procurement in Labor Surplus Areas) and 10582 (Implementing the Buy American Act). Designated areas in Ohio are listed below.

The classification, Labor Surplus Area, is assigned on a county level unless a county contains a city or cities with a population of 25,000 or more. In that case, the city or cities and the balance-of-county are classified separately. To qualify as a labor surplus area during this period, the average unemployment rate in the specified area for the two-year period January 1988 through December 1989 must be at least 6.6 percent.

In exceptional circumstances, the Ohio Bureau of Employment Services may petition the Employment and Training Administration, U.S. Department of Labor, to waive the regular criteria when an area experiences a significant increase in unemployment which is not temporary or seasonal and which was not adequately reflected in data for the reference period. The unemployment rate for each of the most recent three months and projected for each of the next twelve months must be at least 6.6 percent.

Questions about Labor Surplus Areas may be directed to: Brian E. Baker, Chief, Labor Force Reports, OBES - LMI Division, 145 S. Front St., Columbus, OH 43215, phone (614) 644-2689, or to one of the Labor Market Analysts in the following areas:

Akron/Canton	Erich Hetzel	(216) 434-2141
Toledo	Don Wonnell	(419) 865-7248
Cincinnati	Gary Flesch	(513) 852-3180
Cleveland	Thomas Buescher	(216) 888-6900
Steubenville	Pietro Scaffidi	(614) 283-4165
Youngstown	Donald Curry	(216) 744-5201

Labor Surplus Areas in Ohio

Cities		Elyria	Mansfield	Toledo
		Hamilton	Marion	Warren
Akron	Cleveland	Lancaster	Massillon	Youngstown
Barberton	Dayton	Lima	Middletown	Zanesville
Canton	East Cleveland	Lorain	Newark	

Counties		Hocking	Muskingum (less Zanesville City)	Sandusky
		Huron		Scioto
Adams	Fayette	Jackson	Noble	Seneca
Ashtabula	Gallia	Jefferson	Ottawa	Trumbull
Belmont	Guernsey	Meigs	Perry	(less Warren City)
Brown	Hardin	Mercer	Pike	Tuscarawas
Carroll	Harrison	Monroe	Putnam	Vinton
Crawford	Highland	Morgan	Ross	

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods-Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service-Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio			
	October 1990	September 1990	October 1989
New Applicants	33,061	28,047 ^a	37,382
Applicants Active This Program Year ...	341,416	303,606	405,514
Counseling Interviews	763	580	1,095
Tests Administered	1,119	1,183	1,341
General Aptitude Tests	220	188	160
Proficiency Tests	325	282	345
Specific Aptitude Tests	0	0	79
Referrals to Jobs	23,541	21,396	24,961
Placements	5,207	5,092	5,736
Job Openings Received	INA	INA	10,595
Job Openings Unfilled	20,365	21,630	20,674

INA - Information not available

^a Revised

Selected Unemployment Insurance Activities

Ohio			
	October 1990	September 1990	October 1989
Initial Claims	71,006	47,849	57,166
Continued Claims	362,692	285,072	305,369
First Payments	25,485	16,604	20,888
Last Payments	5,654	5,436	4,256
Average Weekly Claimants	75,216	71,645	67,514
Average Weekly Benefit Recipients	61,326	61,382	55,791
Weeks Compensated	277,397	243,630	131,738
Benefits Paid	\$46,233,956	\$39,479,652	\$37,118,759
Average Weekly Payment	\$171.02	\$166.02	\$167.71
Continued Claims for Survey Week	72,331	70,228	70,987
Insured Unemployment Rate	1.6	1.6	1.5
Net Contributions	\$28,147,539	\$5,371,690	\$25,297,225
Active Employer Accounts	207,158	207,760	204,991

OHIO BUREAU OF EMPLOYMENT SERVICES
LABOR MARKET INFORMATION DIVISION
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